University of Utah Review Signatures

We have reviewed the College of Social & Behavioral Science Facilities Assessment document and warrant that it adequately represents our request for a facility to fulfill our mission and programmatic needs. All appropriate parties representing the University have reviewed it for approval.

__________________________________________________________  ___________________________
Cynthia A. Berg, Dean for College of Social & Behavioral Sciences                      Date

__________________________________________________________  ___________________________
Cathy Anderson, AVP for Budget & Planning                                           Date

__________________________________________________________  ___________________________
Michael Hardman, Interim Senior Vice President for Academic Affairs            Date

__________________________________________________________  ___________________________
Bruce Gillars, Director, Space Planning & Management                          Date

__________________________________________________________  ___________________________
John C. McNary, Director, Campus Design & Construction                       Date

__________________________________________________________  ___________________________
Tami S. Cleveland, Project Manager, Campus Planning                          Date

__________________________________________________________  ___________________________
Cory D. Higgins, Director, Facility Operations                                 Date

__________________________________________________________  ___________________________
Michael G. Perez, Assoc. Vice President, Facilities Management            Date

__________________________________________________________  ___________________________
Arnold B. Combe, Vice President, Administrative Services                      Date
01 EXECUTIVE SUMMARY
Intro and Justification 01.3

02 EXISTING SPACE ALLOCATION INCLUDING RECOMMENDATIONS FOR NEW SPACE ALLOCATION / UTILIZATION
02.1 Overall Campus Map - Current Utilization 02.3
02.2 Facility Condition Need Index (FCNI) 02.7
02.3 Alfred Emery Building 02.11
02.4 Naval Science Building 02.23
02.5 Social and Behavioral Science Tower 02.35
02.6 William Stewart Building 02.71
02.7 675 Arapeen (Paradigm II) Building 02.81
02.8 Fort Douglas PX 02.89
02.9 Annex 02.97
02.10 Orson Spencer Hall 02.105

03 DEPARTMENTAL PROGRAM REQUIREMENTS
03.1 Summary of Spaces - Existing and Proposed 03.3
03.2 Departmental Needs Assessment 03.29
   a. Psychology Department 03.31
   b. Sociology Department 03.35
   c. Geography Department 03.39
   d. Environmental & Sustainability Studies 03.43
   e. Political Science Department 03.47
   f. Economics Department 03.51
   g. Family and Consumer Studies Dept. 03.55
   h. Anthropology Department 03.59
   i. Naval Science Department 03.63
   j. Military Science Department 03.67
   k. Aerospace Studies Department 03.69

04 PROBABLE COST
Order of Magnitude Raw Costs Estimate 04.3
PARTICIPANTS

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Cathy Anderson, Associate Vice President for Budget and Planning
Eric Denna, Chief Information Officer
Michael Hardman, Interim Senior Vice President for Academic Affairs
David M. Rudd, Former Dean of the College of Social & Behavioral Science
Cynthia Berg, Dean of the College of Social & Behavioral Science
Jeffrey Kentor, Former CSBS Associate Dean
Rick Forster, Professor, CSBS Department of Geography
Michael Perez, Associate Vice President for Facilities Management
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Matt Yurick, Director for Space Planning & Management
John McNary, Director for Campus Planning
Tami Cleveland, Project Manager, Campus Planner
Joseph Harman, Associate Director of Construction Project Delivery
CSBS Department Chairpersons

STUDY ARCHITECT

Jill Jones, ajc architects
Jodi Geroux, ajc architects
Kyle Borchert, ajc architects
Joshua Greene, ajc architects

VISION MEETING PARTICIPANTS

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Jeffrey Kentor, Former CSBS Associate Dean
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Melissa Hall, Public Administration
Russ Isabella, Family and Consumer Studies
Tom Maloney, Economics
George Hepner, Geography
Carol Sansone, Psychology
Jack Broughton, Anthropology
Maximilian Stiefel, ENVS'T and Economics
Jill Jones, ajc architects
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Joshua Greene, ajc architects

COLLEGE SUMMARY

DEPARTMENT CHAIRPERSONS

Dennis O’Rourke: anthropology
Thomas Maloney: economics
Russell Isabella: family and consumer studies
George Hepner: geography (former)
Andrea Brunelle: geography
James Gosling: political science
Carol Sansone: psychology
Kim Korinek: sociology
James Jeffrey Housinger: naval science
Nicholas John Schapper: military science
Michael D. Eliason: aerospace studies

DEPARTMENTS

Anthropology
Economics
Family and Consumer Studies
Geography
Political Science
Psychology
Sociology
Naval Science
Aerospace Studies
Military Science

PROGRAMS

Environmental and Sustainable Studies
Gender Studies
Ethnic Studies
Health, Society and Policy
Master of Public Administration
Master of Public Policy
Master of Science in International Affairs and Global Enterprise
ROTC: Aerospace Studies
Military Science
Naval Science

RESEARCH CENTERS

Office of Research Administration
Archeological Center
Center for Natural and Technological Hazards
Center for Public Policy and Administration
Child and Family Development Center
DIGIT Laboratory
Hinckley Institute of Politics
National Center for Veterans Studies
Barbara L. Norman C. Tanner Center for Nonviolent Human Rights Advocacy
EXECUTIVE SUMMARY

A. INTRO AND JUSTIFICATION

1. College of Social and Behavioral Science Overview
   a. Background:
   The College of Social and Behavioral Science (CSBS) is the largest
college in the University of Utah, both in terms of students and
tuition revenue. The College has an exceptional, and growing,
academic reputation. CSBS was recently ranked 68th in the world,
and the highest unit in the university, by the 2012 Rankings of
World Universities based on the impact of scientific publications.
External research funding has grown from $500,000 in 2008 to
nearly $7,000,000 in 2013. CSBS is comprised of seven departments,
ten programs (including 3 ROTC), and nine centers and offices.

Relatively few resources have been allocated for upgrading the
College’s physical space. In fact, this is the only college in the
university that has not received a new building for more than
50 years. The needs identified in this report are extensive and
growing. Many require immediate attention, including building
code violations. It is imperative that these needs be addressed
comprehensively, rather than piece-meal. To do otherwise will put
in jeopardy the continued excellence of this college.

b. Location
   The College is spread across eight different buildings ranging
in location from the northwest and southwest corners of main
campus all the way up to University Research Park (refer to
the overall campus map in section 2 of this report). The great
distance between many CSBS departments makes it difficult
for students and faculty to get from one class to another on
time and creates a lack of unity within the College. The recent
relocation of three Geography Department research laboratories
from the Kennecott Building to Paradigm II in Research Park has
caused the need for students and faculty who use these labs to
spend great amounts of time travelling between Orson Spencer
Hall where the Department offices and most classes are located
and the laboratories in Research Park. This report identifies the
location concerns and makes recommendations on how to better
locate CSBS departments so that all department personnel are
within reasonable proximity to one another and to help promote
interdisciplinary teaching between CSBS departments and
departments within other colleges.

c. CSBS Departments and Buildings Occupied:
The College of Social and Behavioral Science Departments/
Programs that have been included in this study, and the buildings
they occupy, are as follows:

<table>
<thead>
<tr>
<th>Department / Program</th>
<th>Building(s) Occupied</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>025 Behavioral Science Tower</td>
</tr>
<tr>
<td>Sociology</td>
<td>025 Behavioral Science Tower</td>
</tr>
<tr>
<td>Geography</td>
<td>054 Orson Spencer Hall; 887 Paradigm II</td>
</tr>
<tr>
<td>Environmental &amp; Sustainability Studies</td>
<td>054 Orson Spencer Hall</td>
</tr>
<tr>
<td>Political Science</td>
<td>054 Orson Spencer Hall</td>
</tr>
<tr>
<td>Economics</td>
<td>054 Orson Spencer Hall</td>
</tr>
<tr>
<td>Family and Consumer Studies</td>
<td>008 Alfred Emery Building</td>
</tr>
<tr>
<td>Anthropology</td>
<td>006 William Stewart Building</td>
</tr>
<tr>
<td>Naval Science</td>
<td>043 Naval Science Building</td>
</tr>
<tr>
<td>Military Science</td>
<td>FD638 Fort Douglas PX Building</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>105 Annex General Office Building</td>
</tr>
</tbody>
</table>

It should be noted that Ethnic and Gender Studies have not been
included in this study, however, these programs may contribute to
the future space needs of CSBS.

d. Department and Facility Assessment:
ajc architects met with each CSBS Department/Program
individually and toured all spaces currently occupied by the
College. University of Utah Space Planning provided base maps
that were converted to the existing space allocation floor plans
included in section 2 of this report. During our existing space tours
we noted physical conditions, number of occupants, type of space
and use, and other information that will be helpful in determining
if the spaces are being utilized efficiently and as needed. A written
survey was completed by each department to supplement the numerous meetings and site visits made, and each department
provided a summarized priority list of immediate space needs.
From this information gathered, a spreadsheet was developed
which lists all spaces currently occupied by CSBS Departments,
along with immediate needs (1-3 years) and future needs (4-
plus years), and recommendations for re-organization/remodel/
reconfiguration needed (see the spreadsheet located in section 3
of this report). Please refer to section B of the Executive Summary
for a more in-depth discussion of the recommendations made.

2. Assessment of Academic Needs
   The Dean’s office began a process of strategic planning in 2011,
which was halted due to anticipated changes in the budget model
at the University of Utah that could potentially affect estimates
of faculty growth, (and associated areas of emphasis), approved
salary lines, funded research, and proposed new research and
academic programs. Consistent with this initial planning, the
college anticipates seeking ways to build interdisciplinary research teams across departments and programs and the need for spaces that foster this interdisciplinary discussion and planning.

### 3. Anticipated Trends in Teaching Style

Access to state of the art teaching technology is an obvious requirement for future classroom space. While this is a dynamic area, some features are fundamental based on today’s needs: electrical outlets for student portable computing devices, high speed WiFi, high resolution projection systems, video conferencing for distant education students who are integrated with in class lectures, etc. Flexibility in classroom design will be an important goal in order to accommodate a range of classroom needs.

### 4. Online Course Expansion

The Interim Senior Vice President of Academic Affairs’ leadership team was expected to provide a draft study of online course expansion and the impact to space needs going forward to help inform this study. The draft study of online course expansion will not be provided due to the current transition of this office.

### 5. Facility Conditions Report

The Facilities Conditions Report was provided, however, aec architects conducted a telephone interview with each Facility Coordinator to get a more detailed and current description of the Facilities Conditions as summarized in Section 2 of this document. All of the buildings currently occupied by CSBS (with the exception of Paradigm II and the Fort Douglas PX which is currently being remedied for the Military Science Department) are in dire need of remodel and updating to meet the requirements of the Americans with Disabilities Act (ADA), to address life-safety and seismic concerns, and to be competitive with other state-of-the-art higher education facilities. This study identifies the items that need to be addressed at each CSBS Facility and prioritizes them on a 1-3 year and 4+ year look ahead.

### 4. Online Course Expansion

#### B. RECOMMENDATIONS

1. **Highest Priorities (Immediate Needs over the next 1-3 years)**

   Over the course of several meetings with University of Utah Space Planning and Senior Administration of the College of Social and Behavioral Studies, the following list of highest Priorities/Immediate Needs was developed:

   **a. Advising Space:**
   
   The College of Social and Behavioral Science lacks advising space that maintains student confidentiality, personnel security issues and provides for waiting/seating areas for students. Most advising spaces also lack the extra keyboard for students to log into CIS for DARS training. The CSBS held an academic advisor’s focus group during which these issues were identified. The proposed solutions suggested by the focus group include adding additional advising offices, soundproofing advisor’s offices, enlarging advisor’s offices so they can accommodate two to three advisees at one time, providing the extra keyboard and necessary additional desk space, and providing a window in advisor’s doors to increase security while maintaining privacy. The focus group also identified the need for a conference room in close proximity to the advisor’s offices and adequate storage space for student records in each advisor’s office. Heating and cooling issues were also noted, however, this type of issue is described in further detail in the summary of each building in section 2 of this report.

   **b. Graduate Student Offices:**
   
   All CSBS departments noted the need for additional and/or better space for Graduate Student Offices. Existing graduate student offices within the College vary in size and number of occupants. Each department has specific needs in regard to Graduate Student Offices that are addressed in the summary of spaces spreadsheet in section 3 of this study. The needs range from larger single-occupant private offices so that Graduate Students can meet with undergraduates privately in their offices to better designed shared office space that will accommodate several graduate students in an office that meets the standards of other state-of-the-art higher education facilities. One solution discussed with the CSBS is finding space for additional shared graduate student offices with access to advising or “office hours” rooms that can be used for private one-on-one meetings with undergraduates.

   **c. Collaborative Research Space:**
   
   All CSBS departments identified the need for collaborative research space that includes a conference table large enough for 4-6 people with a computer work station and/or student carrels around the perimeter of the room. These spaces could double as seminar space and most would be owned by the College and assigned to Departments on an as-needed basis (for example, a space could be assigned for 6-months to accommodate the needs of a grant). As a result of this study, at least one collaborative research space will be found for each department to control individually.

   **d. Behavioral Science Tower Fourteenth Floor Egress Issue Resolution:**
   
   In our site visit of the Behavioral Science Tower, the lack of a legal means of egress from the fourteenth floor was identified. The existing egress stair towers can only be accessed from the roof of the tower and occupants of the fourteenth floor are expected to
Executive Summary

exit onto the roof and over to the north or south stair tower for egress. The roof access door hardware is kept locked, preventing occupants from exiting onto the roof. The roof is at a higher elevation than the fourteenth floor so even if the door is kept unlocked, this would not be an acceptable accessible means of egress. The University of Utah Building Official has suggested modification of the door hardware to comply with code requirements (and University shops have been notified), however, the change in elevation does not allow for an accessible means of egress. This study proposes a solution that will increase the usable space at the fourteenth floor and will provide an accessible means of egress.

2. Development Priorities (Future Needs over the next 4+ years)
   a. Orson Spencer Hall and Stewart Hall Replacement:
      The two existing facilities occupied by CSBS that require the largest scope of work in terms of remodel to address life-safety, accessibility and usability issues are Orson Spencer Hall (OSH) and Stewart Hall. There is a Seismic Upgrade Study for OSH forthcoming, however, the results of that study will not be available before the completion of this study. There are two significant issues that need to be recognized as part of any replacement strategies. First, the CSBS shares OSH with two other entities: General Purposes Classrooms managed by the Registrar’s office and an office and Teaching Lab component assigned to the College of Humanities. Relocation space must be considered as part of any OSH replacement planning. Second, the department of Anthropology’s research laboratories are housed in Stewart. There is also a planned remodel of the George Thomas Building to create new lab space for the College of Science and it is recommended that the CSBS begin discussions with the College of Science to determine if there would be a mutual benefit between these two colleges in combining efforts as the CSBS looks at the possibility of increasing lab space at Stewart Hall.

   b. Seismic Concerns:
      All CSBS Buildings are in need of seismic upgrade. There has been a Disaster Resistant University (DRU) report completed on all University facilities that is available through Department of Environmental Health and Safety. The design for seismic upgrade to the Behavioral Science Tower is currently underway and will be implemented from Capital Improvement Funds as they are available. A study for the seismic upgrade of OSH is forthcoming. Additional study for the seismic upgrade of the other Facilities occupied by CSBS is recommended.

   c. Fire Protection and Accessibility at the Naval Science Building:
      In our conversations with the Facilities Coordinators and University of Utah Department of Environmental Health and Safety it was determined that all facilities occupied by CSBS are fully-sprinkled except for the Naval Science Building. Additionally, there is no accessible means of egress or access to any floors of this building. It is recommended and will likely be a requirement of the University Code Official to add accessible means of egress/access to all floors of the building and to add a sprinkler system to the building if any major remodel or addition work is suggested.

   d. Behavioral Science Tower Soft Story Infill:
      The main entrance to the Behavioral Science Tower is from the second floor plaza level at the east side of the building. The footprint of this floor of the building is significantly smaller than the upper and lower floors because the enclosed square footage is given over to outdoor plaza space beneath the floors above. This floor of the building has been called the “Soft Story” due to its lack of physical enclosed space (structure) and exterior walls comprised mainly of glass. It is a recommendation of this study to recapture the space at the second floor as enclosed indoor space that can satisfy some of the space needs of the CSBS. There is currently a phased seismic upgrade of the tower in design.

3. Classroom Needs
      All CSBS departments have expressed the need for additional and/or remodeled classroom space with state-of-the-art computer, projection, communications and power capabilities so that faculty do not need to transport personal laptops to class and/or have the ability to easily plug-in and project a PowerPoint or other type of presentation on-screen if desired. Space Planning has noted there is currently a University – wide moratorium on the ‘privatization’ of General Purpose Classrooms. The need for additional and/or better classroom space will need to be accommodated using the University General Purpose Classrooms. Also note that new larger classrooms will be coming online in January 2014 at the Business School. Additional recommendations are made under alternatives for better utilization below.

   b. Alternatives for Better Utilization:
      During our site visits and meetings with Departments we asked if certain types of spaces could be shared if scheduling changes are implemented so that existing or new spaces could be better utilized. The answer, with some minor exceptions, was yes. This study recommends alternatives for better utilization of space as
documented in the summary of spaces spreadsheet in section 3 of this study.

c. Alternatives for Improved Classroom Space and Utilization:
Aged classroom facilities, competition for primetime slots (7:30am – 1:00pm) and revenue generated from the Student Contact Hour model combine to create special challenges. It is suggested in consultation with administration, the Registrar and Space Planning multiple approaches be considered. These approaches might include priority scheduling, incentivizing underutilized time periods and SCH payments and cooperative classroom design with other enterprise resources to develop flexible learning spaces.

4. Reserve Officers’ Training Corps
The College of Social and Behavioral Science supports the idea that the Reserve Officers’ Training Corps (ROTC or OTC) remain on campus, although better integration of ROTC students on campus and in the CSBS is an important goal. The College of Social and Behavioral Science would like to see opportunities arise for mainstream students to interact more closely with OTC students to gain better awareness of the world we live in and to benefit from the types of classes that are taken primarily by OTC students.

5. Research Space
While the CSBS has had remarkable success at growing their research productivity, it has generally been accomplished by adapting existing aged space. While these adaptations have been functional, the existing research space is limiting. Section 3 describes some immediate remodels that would modernize some of the research areas. A strategic review of the College’s future research directions to address longer term needs should be undertaken.

6. Additional recommendations
See section 3 of the report for a more detailed description of the proposed facilities utilization, remodels, replacements or construction of new facilities.

C. PROBABLE COST

1. Order of Magnitude Raw Costs Estimate
An Order of Magnitude Raw Costs Estimate was developed to identify short term and long term raw costs for the proposed work. Short term costs were identified as modifications to space that is available within existing CSBS space. Long term costs were identified as modifications to space that is not available within existing CSBS space and two options have been provided: one for finding space in an existing building to remodel, and one to build new space in a new building. It should be noted that if new space in a new building is provided, it should be in close proximity to existing departmental space. A separate spreadsheet has been included to identify the raw costs for updating the layout of University General Purpose Classrooms in CSBS buildings. Refer to section 5 of this study for a more detailed description and look at the raw costs estimated.
LIST OF BUILDINGS OCCUPIED BY CSBS

043.  NS  Naval Science Building
008.  AEB  Alfred Emery Building
006.  ST  William Stewart Building
054.  OSH  Orson Spencer Hall
025.  BEH S  Behavioral Science Tower
638.  FD 638  Fort Douglas PX
105.  ANNEX  Annex General Office
887.  675 AR  675 Arapeen (Paradigm II)
**Facility Condition Need Index (FCNI)**

The Facility Condition Need Index is a guideline used by the State for general use buildings in considering the need for replacement or renovation. Six of the buildings occupied by CSBS are included in the FCNI shown to the right. The University of Utah Facility & Construction Operations Department makes the point that this chart and ratios are based on condition only and do not consider functional obsolescence. For example, just because a 50-year-old building is in good shape does not mean it meets the University’s needs today. Not included in the FCNI to the right is the Fort Douglas PX (total building renovation completed in May 2013) and the Paradigm II building (leased space).

**Facility Condition Need Index (FCNI)**

FCNI is facility needs divided by replacement value

- Overall FCNI for the University is 0.39

These FCNI guidelines are used by the State for general use buildings

- Critical facilities & research buildings are expected to maintain lower FCNIs

<table>
<thead>
<tr>
<th>Building</th>
<th>Name</th>
<th>FCNI</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Stewart</td>
<td>0.80</td>
</tr>
<tr>
<td>8</td>
<td>Alfred Emery</td>
<td>0.44</td>
</tr>
<tr>
<td>25</td>
<td>Social &amp; Behavioral Sciences</td>
<td>0.59</td>
</tr>
<tr>
<td>43</td>
<td>Naval Science</td>
<td>0.16</td>
</tr>
<tr>
<td>54</td>
<td>Orson Spencer Hall (OSH)</td>
<td>0.54</td>
</tr>
<tr>
<td>105</td>
<td>Annex</td>
<td>1.12</td>
</tr>
</tbody>
</table>
BUILDING SUMMARY

BUILDING NAME        Alfred Emery Building
BUILDING NUMBER      008
BUILDING ADDRESS     225 South 1400 East
YEAR COMPLETED       1901
BUILDING STRUCTURE   Masonry, Steel Frame (Assumed), Concrete Floor Slabs
BUILDING GROSS SQ.FT 32,128 (per University provided data)
BUILDING NET SQ. FT  26,112
BUILDING NET ASSIGNABLE SQ. FT 17,759
SEISMIC RESISTING SYSTEM No
AUTO FIRE SUPPRESSION SYSTEM Yes
FIRE ALARM SYSTEM     Yes
EXTERIOR GLAZING      Insulated Glass
INTERIOR PARTITIONS   Gypsum Board
TYPES OF SPACE IN BUILDING Classrooms, Lecture Halls, Offices, Child Development Center

The appropriate functional use of the building is the same types of spaces listed under "Types of Space in Building" above.

HVAC SYSTEM

Heating is a steam system tied into the University steam plant which serves occupied spaces with perimeter heat radiators. Air-conditioning is a chilled water system served from the University Chilled water system. The HVAC system is not zoned properly (possibly due to the remodel of spaces without reconfiguring of the HVAC zones). This causes temperature variation from space to space with thermostat control not available in all spaces. To resolve this issue load calculations and a full design assessment would be needed to better zone the HVAC.

DESIGN FEATURES

The building is part of the historic President's Circle classical architectural design. There is a 3-story addition on the east side of the original building that includes accessible restrooms, egress stairs, elevator, graduate student office/student lounge.

RESTROOMS

Accessible restrooms are located in the building addition to the east of the original building.

HAZARDOUS MATERIAL ABATEMENT:

It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work.

ACCESSIBILITY:

Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study.

MISC

Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study.

The building functions well for the Department of Family and Consumer Studies with only minor upgrades and a small number of additional spaces needed.
Building 08. Alfred Emery Building

ISSUES:
HVAC
NEED ADDITIONAL SPACE
UPGRADE TEACHING ENVIRONMENT
REMODEL EXISTING SPACE

Percentage of Space in Alfred Emery Building Occupied by CSBS

- 40% CSBS SPACE IN ALFRED EMERY BUILDING
- 32% SUPPORT SPACE IN ALFRED EMERY BUILDING
- 28% OTHER DEPARTMENT SPACE IN ALFRED EMERY BUILDING
CODE ANALYSIS
INTERNATIONAL BUILDING CODE 2012

OCCUPANCY CLASSIFICATION – IBC CHAPTER 3
A - 3 (Assembly)
B (Educational)
S-1 (Storage)
E (Day Care Facilities)

TYPE OF CONSTRUCTION – IBC CHAPTER 6
Type III-B, (sprinkled)

MIXED USE AND OCCUPANCY - IBC SECTION 508
Separated Occupancies (Section 508.3.3)
A-3 Occupancy is assumed for lecture halls, classrooms, meeting spaces
S-1 Occupancy is assumed for storage rooms and mechanical/electrical
B Occupancy is assumed for offices
E Occupancy is assumed for day care facilities

ALLOWABLE BUILDING HEIGHT AND FLOOR AREA – IBC CHAPTER 5, TABLE 503
A-3, Most Stringent
Maximum allowable height = 75 feet sprinkled (55 feet not-sprinkled), Actual = 45 feet +/-
Maximum number of stories =3 sprinkled (2 not-sprinkled), Actual = 3
Maximum Floor Area - 28,500 sq. ft. sprinkled (9,500 not-sprinkled)
Actual Building Area per Floor - 10,990 (First Floor), 10,805 (Second Floor), 10,805 (Third Floor)
Total Building Area = 32,600

OCCUPANCY SEPARATION – IBC TABLE 508.4
*A” Occupancy to “B” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
*A” Occupancy to “S-1” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
*B” Occupancy to “S-1” Occupancy = 0 hour rating
*E” Occupancy to “B” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled

MIXED OCCUPANCY – IBC SECTION 508.4
Separated Occupancies
Allowable Building Area Section for Mixed use occupancies 508.4.2

FIRE RESISTIVE REQUIREMENTS – IBC CHAPTER 6, TABLE 601
(Type II-B Building)
Structural Frame
Bearing Walls
Exterior
2 hour rating
Interior
0 hour rating
Exterior Nonbearing Walls
0 hour rating (pending Fire Separation Dist.)
Interior Nonbearing Walls
Floor
0 hour rating (including supporting beam and joists)
Roof
0 hour rating (including supporting beam and joists)
Corridor
0 hour rating with sprinkler system (table 1018.1); 1 hour rating without sprinkler system

OCCUPANCY LOAD FACTORS – IBC CHAPTER 10, TABLE 1004.1.1
Description of Occupancy
Assembly
(Concentrated – Chairs only-not fixed) 7 net
(Art Galleries, Exhibition Halls) 30 net
(Standing space) 5 net
(Un-Concentrated – tables and chairs) 15 net
(Fixed seating) # of seats
Business Areas
(Offices) 100 gross
(Storage areas, Mechanical, Electrical, Telecom, Janitor) 300 gross
Kitchen 200 gross

EGRESS WIDTH PER PERSON SERVED – IBC CHAPTER 10, SECTION 1005
Stairways = .30 inches/occupant
Other = .20 inches/occupant
Section 1018.2, Minimum corridor width is 44 inches (some exceptions)
Section 1008.1.1, Minimum door width is 32 inches clear; maximum door leaf is 48 inches
Section 1018.4, Dead-end Corridors shall not be greater than 50-feet (sprinkled); 20-feet (not-sprinkled)
RECOMMENDATIONS:

ADDRESS ISSUES AT CHILDCARE CLASSROOMS AND OBSERVATION ROOMS
CODE ANALYSIS (CONTINUED)
INTERNATIONAL BUILDING CODE 2012

NUMBER OF EXITS – IBC CHAPTER 10, TABLE 1015.1
'A', 'B' and 'E' occupancy load that exceeds 49 will require two exits
'S' occupancy load that exceeds 29 will require two exits

TRAVEL DISTANCE – IBC CHAPTER 10, TABLE 1016.2
'A', 'E' and S-1 occupancy = 250 feet (sprinkled); 200 feet (not-sprinkled)
'B' occupancy = 300 feet (sprinkled); 200 feet (not-sprinkled)

EXIT SEPARATION – IBC CHAPTER 1015.2.
Exit separation = one third (1/3) the diagonal dimension of the building or area in sprinkled buildings; one-half (1/2) the diagonal dimension of the building or area in non-sprinkled buildings

STAIRS / RAMPS – IBC CHAPTER 10
Section 1009.1 – The width shall not be less than 44 inches; to determine the egress width, multiply the occupancy times .30 to equal the number of width inches required. (section 1005.1) Note that the stair in this building is existing and is not being modified in this scope of work.

ACCESSIBILITY – IBC CHAPTER 11 (Also note, when considering accessibility requirements for an existing building, Chapter 34 of the IBC must be the basis for engaging these requirements).
Section 1104 – Accessible routes within the site shall be provided from public transportation stops; accessible parking; accessible passenger loading zones; and public streets or sidewalks to the accessible building entrance served.
Section 1105 – At least 60% of the entrances shall be accessible
Section 1106 – Accessible parking spaces shall be provided in compliance with table 1106.1.
Section 1106.5 – At least one accessible parking stall will be Van accessible; provide 1 Van per 6 accessible parking stalls
Section 1109 – Toilet and Bathing Facilities shall be accessible.

Section 1109.5 – Where drinking fountains are provided as required by table 2902.1, no fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons (some exceptions).
Required accessible elements shall be identified using the international symbol of accessibility

PLUMBING FIXTURES REQUIRED – IBC CHAPTER 29
Minimum number of required plumbing fixtures is based on occupancy type and occupant load (Table 2902.1) and shall be assessed prior to any change in occupant load.

FIRE PROTECTION SYSTEMS – IBC CHAPTER 9 AND NFPA 13
NFPA Chapter 10, Portable Fire Extinguishers; max. travel distance is 75 feet; max. distance between fire extinguishers is 150 feet.

INTERIOR FINISHES FLAME SPREAD INDEX – IBC SECTION 803.9
Exit enclosures and exit passageways 'B' (sprinkled); 'A' (not-sprinkled)
Corridors 'B' (sprinkled); 'A' (not-sprinkled)
Rooms and enclosed spaces 'C' (sprinkled); 'C' (not-sprinkled)

ROOF – IBC CHAPTER 15
Section 1504.1 – Roof decks and roof Covering will be designed for wind loads for the locations.
Roof Covering Fire Classification – IBC Table 1505.1
Type of Construction III-B = Minimum of a ‘C’ Cover Fire Classification
RECOMMENDATIONS:

RECONFIGURE DEPARTMENT OFFICE SUITE AND ADVISOR OFFICES SO WAITING CAN BE SHARED AND A COLLABORATIVE RESEARCH SPACE CAN BE PROVIDED.

REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
RECOMMENDATIONS:

- REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
Existing Space Allocation

Building 08. Alfred Emery Building

Interior Photos

Department Administrative Offices

Department Meeting Space

Advising Office

Child Development Classroom
**BUILDING SUMMARY**

**BUILDING NAME**
Naval Science

**BUILDING NUMBER**
043

**BUILDING ADDRESS**
110 South 1452 East

**YEAR COMPLETED**
1948

**BUILDING STRUCTURE**
Masonry Bearing Walls, Concrete Slab Floors

**BUILDING GROSS SQ.FT**
25,375 (per University provided data)

**BUILDING NET SQ. FT**
22,323

**BUILDING NET ASSIGNABLE SQ. FT.**
18,107

**NUMBER OF FLOORS**
2 + Basement

**SEISMIC RESISTING SYSTEM**
No

**AUTO FIRE SUPPRESSION SYSTEM**
No

**FIRE ALARM SYSTEM**
Yes (Smoke Detectors)

**EXTERIOR GLAZING**
Single Pane Glass

**INTERIOR PARTITIONS**
Painted Gypsum Board or Plaster

**TYPES OF SPACE IN BUILDING**
Offices, Classrooms, Fitness Room, Locker Rooms, Gun Range, Storage

**APPROPRIATE FUNCTIONAL USE OF BUILDING**
The appropriate functional use of the building is the same types of spaces listed under "Types of Space in Building" above.

**HVAC SYSTEM**
Heating is a steam heat system, currently being taken off distribution from the University steam plant and put on a steam producer located in the basement storage space in the building. Steam heat will be distributed throughout the building in the existing radiant steam system controlled at the radiators. There is currently no plan to update the existing distribution system although it would be ideal to change the building to a hot-water system (more efficient than steam). This would require re-piping the entire system which would require replacing all ceilings. There is no building-wide air-conditioning but some spaces are served by window-type AC units or independent stand-alone units.

The original design of the building included a double height space used as an “Armory”. This space is currently used for physical training and has a mezzanine that contains fitness equipment. The mezzanine railing is not code-compliant (openings in railing are too large and the railing height is too low). It has been suggested that turning this double-height space into two stacked single height spaces would be a great way to create additional space inside the building without changing the overall building footprint. If this is done, the lower level would still have higher than typical ceilings since the floor of this space is below the main level. An elevator would likely be needed to make all spaces accessible.

Restrooms have been remodeled although the plumbing fixture count may not be adequate for the building occupant load.

It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study. Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study.

There are no locker rooms in the building. The basement hallway currently functions as the Men’s locker room. Users main complaints are outside noise, (single pane windows), heating/cooling issues, poor condition of the electrical distribution system, and difficulty operating windows. The electrical panel in the Armory space is in immediate need of repair.
ISSUES:
HVAC ELECTRICAL UPGRADES NEEDED
SOUND ISSUES (OUTSIDE NOISE) NEED ADDITIONAL SPACE REMODEL EXISTING SPACE
CODE ANALYSIS
INTERNATIONAL BUILDING CODE 2012

OCCUPANCY CLASSIFICATION – IBC CHAPTER 3
A - 3 (Assembly)
B (Educational)
S-1 (Storage)

TYPE OF CONSTRUCTION – IBC CHAPTER 6
Type III-B, (not-sprinkled) (note that establishing a Construction Type will need to be verified with the Building Official)

MIXED USE AND OCCUPANCY - IBC SECTION 508
Separated Occupancies (Section 508.3.3)
A-3 Occupancy is assumed for lecture halls, classrooms, meeting spaces
S-1 Occupancy is assumed for storage rooms and mechanical/electrical
B Occupancy is assumed for offices

ALLOWABLE BUILDING HEIGHT AND FLOOR AREA – IBC CHAPTER 5, TABLE 503
A-3, Most Stringent
Maximum allowable height = 75 feet sprinkled (55 feet not-sprinkled), Actual = 30 feet +/-
Maximum number of stories = 3 sprinkled (2 not-sprinkled), Actual = 2 plus Basement
Maximum Floor Area = 9,500 not-sprinkled (16,625 with frontage increase; 35,625 with frontage and sprinkler increase)
Actual Building Area per Floor - 4,784 (Basement), 12,428 (First Floor), 12,428 (Second Floor - includes double-height Armory space of 3,929)
Total Building Area = 29,640

OCCUPANCY SEPARATION – IBC TABLE 508.4
“A” Occupancy to “B” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
“A” Occupancy to “S-1” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
“B” Occupancy to “S-1” Occupancy = 0 hour rating

MIXED OCCUPANCY – IBC SECTION 508.4
Separated Occupancies
Allowable Building Area Section for Mixed use occupancies 508.4.2

FIRE RESISTIVE REQUIREMENTS – IBC CHAPTER 6, TABLE 601
(Type III-B Building - note that establishing a Construction Type will need to be verified with the Building Official)
Structural Frame
0 hour rating
Bearing Walls
Exterior 2 hour rating
Interior 0 hour rating
Exterior Nonbearing Walls
0 hour rating (pending Fire Separation Dist.)
Interior Nonbearing Walls
0 hour rating
Floor
(including supporting beam and joists) 0 hour rating
Roof
(including supporting beam and joists) 0 hour rating
Corridor
0 hour rating with sprinkler system (table 1018.1); 1 hour rating without sprinkler system

OCCUPANCY LOAD FACTORS – IBC CHAPTER 10, TABLE 1004.1.1
Description of Occupancy
Occupancy Load Factor (SF/occupant)
Assembly
(Concentrated – Chairs only-not fixed) 7 net
(Art Galleries, Exhibition Halls) 30 net
(Standing space) 5 net
(Un-Concentrated – tables and chairs) 15 net
(Fixed seating) # of seats
Business Areas
(Offices) 100 gross
(Storage areas, Mechanical, Electrical, Telecom, Janitor) 300 gross
Kitchen 200 gross

EGRESS WIDTH PER PERSON SERVED – IBC CHAPTER 10, SECTION 1005
Stairways = .30 inches/occupant
Other = .20 inches/occupant
Section 1018.2, Minimum corridor width is 44 inches (some exceptions)
Section 1008.1.1, Minimum door width is 32 inches clear; maximum door leaf is 48 inches
RECOMMENDATIONS:

- PROVIDE NEW NON-POROUS CLEANABLE SOUNDPROOFING AT FIRING RANGE (APPROVED BY EHS)
- REMODEL/RECONFIGURE STORAGE ROOM 2 TO INCLUDE HIGH-DENSITY STORAGE SYSTEM AND CONSTRUCTION OF NEW LOCKER ROOMS.
- NEW FINISHES AT HALLWAY AND STAIRS.
CODE ANALYSIS (CONTINUED)
INTERNATIONAL BUILDING CODE 2012

Section 1018.4, Dead-end Corridors shall not be greater than 50-feet (sprinkled); 20-feet (not-sprinkled)

NUMBER OF EXITS – IBC CHAPTER 10, TABLE 1015.1
‘A’, and ‘B’ occupancy load that exceeds 49 will require two exits
‘S’ occupancy load that exceeds 29 will require two exits

TRAVEL DISTANCE – IBC CHAPTER 10, TABLE 1016.1
‘A’ and S-1 occupancy= 250 feet (sprinkled); 200 feet (not-sprinkled)
‘B’ occupancy= 300 feet (sprinkled); 200 feet (not-sprinkled)

EXIT SEPARATION – IBC CHAPTER 1015.2.
Exit separation = one third (1/3) the diagonal dimension of the building or area in sprinkled buildings; one-half (1/2) the diagonal dimension of the building or area in non-sprinkled buildings

STAIRS / RAMPS – IBC CHAPTER 10
Section 1009.1 – The width shall not be less than 44 inches; to determine the egress width, multiply the occupancy times 30 to equal the number of width inches required. (section 1005.1) Note that the stair in this building is existing and is not being modified in this scope of work.

ACCESSIBILITY – IBC CHAPTER 11 (Also note, when considering accessibility requirements for an existing building, Chapter 34 of the IBC must be the basis for engaging these requirements).
Section 1104 – Accessible routes within the site shall be provided from public transportation stops; accessible parking; accessible passenger loading zones; and public streets or sidewalks to the accessible building entrance served.
Section 1105 – At least 60% of the entrances shall be accessible
Section 1106 – Accessible parking spaces shall be provided in compliance with table 1106.1.
Section 1106.5 – At least one accessible parking stall will be Van accessible; provide 1 Van per 6 accessible parking stalls
Section 1109 - Toilet and Bathing Facilities shall be accessible.

Section 1109.5 – Where drinking fountains are provided as required by table 2902.1, no fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons (some exceptions).
Required accessible elements shall be identified using the international symbol of accessibility

PLUMBING FIXTURES REQUIRED – IBC CHAPTER 29
Minimum number of required plumbing fixtures is based on occupancy type and occupant load (Table 2902.1) and shall be assessed prior to any change in occupant load.

FIRE PROTECTION SYSTEMS – IBC CHAPTER 9 AND NFPA 13
NFPA Chapter 10, Portable Fire Extinguishers; max. travel distance is 75 feet; max. distance between fire extinguishers is 150 feet.

INTERIOR FINISHES FLAME SPREAD INDEX – IBC SECTION 803.9
Exit enclosures and exit passageways ‘B’ (sprinkled); ‘A’ (not-sprinkled)
Corridors ‘B’ (sprinkled); ‘A’ (not-sprinkled)
Rooms and enclosed spaces ‘C’ (sprinkled); ‘C’ (not-sprinkled)

ROOF – IBC CHAPTER 15
Section 1504.1 – Roof decks and roof Covering will be designed for wind loads for the locations.
Roof Covering Fire Classification – IBC Table 1505.1
Type of Construction III-B = Minimum of a ‘C’ Cover Fire Classification
RECOMMENDATIONS:

- Remodel Space

109 Faculty Office/UG Advisor
108 Faculty Office/UG Advisor
107 Tutoring

Legend:
- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTHROPOLOGY
- PSYCHOLOGY
- SOCIOLOGY
- FAMILY & CONSUMER STUDIES
- POLITICAL SCIENCE
- CPPA - CENTER FOR PUBLIC POLICY AND ADMINISTRATION
- MPA - MASTERS OF PUBLIC ADMINISTRATION
- NATIONAL CENTER FOR VETERAN'S STUDIES
- ENVIRONMENTAL STUDIES
- NAVAL SCIENCES
- MILITARY SCIENCES
- AEROSPACE SCIENCE

Building 43. Naval Science Building
First Floor Plan
Existing Space Allocation 02.29
RECOMMENDATIONS:

- REMODEL SPACE
Armory space used for Fitness Training

Naval Science Classroom

Naval Science Student Lounge

Naval Science Computer Lab / Quiet Study

Building 43. Naval Science Building

Interior Photos

Existing Space Allocation 02.33
# Building Summary

<table>
<thead>
<tr>
<th><strong>Building Name</strong></th>
<th>Social and Behavioral Science Tower</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Building Number</strong></td>
<td>025</td>
</tr>
<tr>
<td><strong>Building Address</strong></td>
<td>380 South 1530 East, Salt Lake City, UT 84112</td>
</tr>
<tr>
<td><strong>Year Completed</strong></td>
<td>1971</td>
</tr>
<tr>
<td><strong>Building Structure</strong></td>
<td>Concrete, waffle slab floor slabs</td>
</tr>
<tr>
<td><strong>Building Gross Sq.Ft</strong></td>
<td>107,529 (per University provided data)</td>
</tr>
<tr>
<td><strong>Building Net Sq. Ft</strong></td>
<td>95,111</td>
</tr>
<tr>
<td><strong>Building Net Assignable Sq. Ft.</strong></td>
<td>60,408</td>
</tr>
<tr>
<td><strong>Number of Floors</strong></td>
<td>14 + Basement</td>
</tr>
<tr>
<td><strong>Seismic Resisting System</strong></td>
<td>No, however the design of a phased seismic retrofit is currently underway</td>
</tr>
<tr>
<td><strong>Auto Fire Suppression System</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Fire Alarm System</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Exterior Glazing</strong></td>
<td>Single Pane Uninsulated</td>
</tr>
<tr>
<td><strong>Interior Partitions</strong></td>
<td>Gypsum Board, not well insulated for sound other than newly remodeled labs</td>
</tr>
<tr>
<td><strong>Types of Space in Building</strong></td>
<td>Offices, research labs (primarily dry informant type), seminar spaces, conference rooms, classrooms on first floor</td>
</tr>
<tr>
<td><strong>Appropriate Functional Use of Building</strong></td>
<td>The appropriate functional use of the building is the same types of spaces listed under &quot;Types of Space in Building&quot; above.</td>
</tr>
<tr>
<td><strong>HVAC System</strong></td>
<td>One chiller in the basement feeds this building and buildings 26 &amp; 27 for chilled water. The air handlers in the basement feed the basement through the 9th floor; one air handler in the penthouse feeds floors 10-14 (this air handler is running at full-capacity (maxed-out)). There are no control dampers built into the existing system and the system is split into north and south zones. The main chase is behind the elevator bank and splits off to the north and to the south with no way to control how much air goes where. Existing thermostats are pneumatic controlled. The HVAC system could be easily upgraded by adding larger fans, changing the thermostats to electronic control and adding control dampers. This would entail replacing ceilings in spaces that have them. The main entrance level of the building is at the plaza level on the east side of the building and the enclosed area of the building at this level contains only a small lobby and elevator access. The full floors of the building start at the next level up (level 2) and there is a full basement beneath the plaza level. It has been suggested that building out the plaza level exterior walls so they align with the exterior walls above would be a good way to create more usable space without changing the massing or footprint of the building.</td>
</tr>
<tr>
<td><strong>Design Features</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Restrooms</strong></td>
<td>Need to be updated</td>
</tr>
<tr>
<td><strong>Hazardous Material Abatement</strong></td>
<td>It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study. Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study. Users main complaints regarding the building are the lack of privacy in offices (poorly sound insulated walls), poor heating/cooling (some labs cannot be used at all in warm months), fly infestation in select spaces, poor relationship of observation rooms to labs.</td>
</tr>
</tbody>
</table>

**Misc**
**Social and Behavioral Science Tower view from north**

**Social and Behavioral Science Tower view from northeast**

**Percentage of Space in Social and Behavioral Science Tower Occupied by CSBS**

- **46%** CSBS SPACE IN SOCIAL AND BEHAVIORAL SCIENCE TOWER
- **36%** SUPPORT SPACE IN SOCIAL AND BEHAVIORAL SCIENCE TOWER
- **18%** OTHER DEPARTMENT SPACE IN SOCIAL AND BEHAVIORAL SCIENCE TOWER

**ISSUES:**
- HVAC
- ACOUSTICS / SOUNDPROOFING
- UPGRADE TEACHING ENVIRONMENT
- REMODEL EXISTING SPACE
- FLIES

**Building 25. Social and Behavioral Science Tower**

**Building Location | Exterior Photos**

*Existing Space Allocation 0237*
CODE ANALYSIS
INTERNATIONAL BUILDING CODE 2012

OCCUPANCY CLASSIFICATION – IBC CHAPTER 3
A -3 (Assembly)
B (Educational)
S-1 (Storage)

TYPE OF CONSTRUCTION – IBC CHAPTER 6
Type I-A, (sprinkled)

MIXED USE AND OCCUPANCY - IBC SECTION 508
Separated Occupancies (Section 508.3.3)
A-3 Occupancy is assumed for lecture halls, classrooms, meeting spaces
S-1 Occupancy is assumed for storage rooms and mechanical
B Occupancy is assumed for offices

ALLOWABLE BUILDING HEIGHT AND FLOOR AREA – IBC CHAPTER 5, TABLE 503
A-3, Most Stringent
Maximum allowable height = Unlimited
Maximum number of stories = Unlimited; Actual = 14 + basement
Total Building Area = 118,760

OCCUPANCY SEPARATION – IBC TABLE 508.4
“A” Occupancy to “B” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
“A” Occupancy to “S-1” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
“B” Occupancy to “S-1” Occupancy = 0 hour rating

MIXED OCCUPANCY – IBC SECTION 508.4
Separated Occupancies
Allowable Building Area Section for Mixed use occupancies 508.4.2

FIRE RESISTIVE REQUIREMENTS – IBC CHAPTER 6, TABLE 601
(Type II-B Building)
Structural Frame 3 hour rating
Bearing Walls
- Exterior 3 hour rating
- Interior 3 hour rating
Exterior Nonbearing Walls 0 hour rating (pending Fire Separation Dist.)
Interior Nonbearing Walls 0 hour rating
Floor (including supporting beam and joists) 2 hour rating
Roof (including supporting beam and joists) 1 1/2 hour rating
Corridor 0 hour rating with sprinkler system (table 1018.1); 1 hour rating without sprinkler system

OCCUPANCY LOAD FACTORS – IBC CHAPTER 10, TABLE 1004.1.1
Description of Occupancy Occupancy Load Factor (SF/occupant)
Assembly
- (Concentrated – Chairs only-not fixed) 7 net
- (Art Galleries, Exhibition Halls) 30 net
- (Standing space) 5 net
- (Un-Concentrated – tables and chairs) 15 net
- (Fixed seating) # of seats
Business Areas
- (Offices) 100 gross
- (Storage areas, Mechanical, Electrical, Telecom, Janitor) 300 gross
Kitchen 200 gross
RECOMMENDATIONS:

REMODEL EXISTING SPACE TO INCLUDE NEW PARTITION AND VENTILATION SYSTEM ADDED TO WOOD SHOP

Legend

- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTHROPOLOGY
- PSYCHOLOGY
- SOCIOLOGY
- FAMILY & CONSUMER STUDIES
- POLITICAL SCIENCE
- CPPA - CENTER FOR PUBLIC POLICY AND ADMINISTRATION
- MPA - MASTERS OF PUBLIC ADMINISTRATION
- NATIONAL CENTER FOR VETERAN'S STUDIES
- ENVIRONMENTAL STUDIES
- NAVAL SCIENCES
- MILITARY SCIENCES
- AEROSPACE SCIENCE

Building 25. Social and Behavioral Science Tower
Basement Floor Plan
Existing Space Allocation

18 Lab (Stefanucci/Creme-Regehr Lab)
Also shared with Bill Thompson
(School of Visual Computing).

15 Wood Shop
(Suggest installing partition to separate wood shop from storage area. Remodel both spaces to include appropriate ventilation)

17 Lab/ antechamber
16 Storage
CODE ANALYSIS (CONTINUED)

INTERNATIONAL BUILDING CODE 2012

EGRESS WIDTH PER PERSON SERVED – IBC CHAPTER 10, SECTION 1005

Stairways = 0.30 inches/occupant
Other = 0.20 inches/occupant

Section 1018.2, Minimum corridor width is 44 inches (some exceptions)
Section 1008.1.1, Minimum door width is 32 inches clear; maximum door leaf is 48 inches
Section 1018.4, Dead-end Corridors shall not be greater than 50-feet (sprinkled); 20-feet (not-sprinkled)

NUMBER OF EXITS – IBC CHAPTER 10, TABLE 1015.1
‘A’ and ‘B’ occupancy load that exceeds 49 will require two exits
‘S’ occupancy load that exceeds 29 will require two exits

TRAVEL DISTANCE – IBC CHAPTER 10, TABLE 1016.1
‘A’ and S-1 occupancy = 250 feet (sprinkled); 200 feet (not-sprinkled)
‘B’ occupancy = 300 feet (sprinkled); 200 feet (not-sprinkled)

EXIT SEPARATION – IBC CHAPTER 1015.2.
Exit separation = one third (1/3) the diagonal dimension of the building or area in sprinkled buildings; one-half (1/2) the diagonal dimension of the building or area in non-sprinkled buildings

STAIRS / RAMPS – IBC CHAPTER 10
Section 1009.1 – The width shall not be less than 44 inches; to determine the egress width, multiply the occupancy times 0.30 to equal the number of width inches required. (section 1005.1) Note that the stair in this building is existing and is not being modified in this scope of work.

ACCESSIBILITY – IBC CHAPTER 11 (Also note, when considering accessibility requirements for an existing building, Chapter 34 of the IBC must be the basis for engaging these requirements).
Section 1104 – Accessible routes within the site shall be provided from public transportatio n stops; accessible parking; accessible passenger loading zones; and public streets or sidewalks to the accessible building entrance served.

Section 1105 – At least 60% of the entrances shall be accessible
Section 1106 – Accessible parking spaces shall be provided in compliance with table 1106.1.
Section 1106.5 – At least one accessible parking stall will be Van accessible; provide 1 Van per 6 accessible parking stalls
Section 1109 - Toilet and Bathing Facilities shall be accessible.
Section 1109.5 – Where drinking fountains are provided as required by table 2902.1, no fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons (some exceptions).

PLUMBING FIXTURES REQUIRED – IBC CHAPTER 29
Minimum number of required plumbing fixtures is based on occupancy type and occupant load (Table 2902.1) and shall be assessed prior to any change in occupant load.

FIRE PROTECTION SYSTEMS – IBC CHAPTER 9 AND NFPA 13
NFPA Chapter 10, Portable Fire Extinguishers; max. travel distance is 75 feet; max. distance between fire extinguishers is 150 feet.

INTERIOR FINISHES FLAME SPREAD INDEX – IBC SECTION 803.9
Exit enclosures and exit passageways ‘B’ (sprinkled); ‘A’ (not-sprinkled)
Corridors ‘B’ (sprinkled); ‘A’ (not-sprinkled)
Rooms and enclosed spaces ‘C’ (sprinkled); ‘C’ (not-sprinkled)

ROOF – IBC CHAPTER 15
Section 1504.1 – Roof decks and roof Covering will be designed for wind loads for the locations.
Roof Covering Fire Classification – IBC Table 1505.1
Type of Construction I-A = Minimum of a ‘B’ Cover Fire Classification
RECOMMENDATIONS:

BUILD-OUT ENTIRE 2ND FLOOR TO MATCH FLOOR AREA ABOVE AND CREATE NEW GENERAL PURPOSE CLASSROOM, LAB, COLLABORATIVE RESEARCH, SEMINAR AND OFFICE SPACE

025 SOCIAL & BEHAVIORAL SCIENCE BUILDING
LEVEL 2 FLOOR PLAN

Legend
- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTHROPOLOGY
- PSYCHOLOGY
- SOCIOLOGY
- FAMILY & CONSUMER STUDIES
- POLITICAL SCIENCE
- CPPA - CENTER FOR PUBLIC POLICY AND ADMINISTRATION
- MPA - MASTERS OF PUBLIC ADMINISTRATION
- NATIONAL CENTER FOR VETERAN'S STUDIES
- ENVIRONMENTAL STUDIES
- NAVAL SCIENCES
- MILITARY SCIENCES
- AEROSPACE SCIENCE
RECOMMENDATIONS:

- REMODEL EXISTING OFFICES, CONFERENCE ROOM, ETC. FOR BETTER ACOUSTICS, SOUNDPROOFING, HVAC, IT INFRASTRUCTURE AND FURNISHINGS.
- RECONFIGURE GRAD STUDENT OFFICES TO CREATE TWO UPDATED SOUNDPROOF ROOMS WITH 6-STUDENTS IN EACH.
- RECONFIGURE ROOMS 302, 305 & 306 AND INSTALL HIGH-DENSITY STORAGE TO ACCOMMODATE FILES FROM ROOM 335 AND IMPROVE COPY/BREAK ROOM.
- NEW FINISHES AT HALLWAYS INCLUDING MESSAGE BOARDS, SIGNAGE, AND FOLD-DOWN WALL-MOUNTED SEATING AT 300R)

Legend
- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTHROPOLOGY
- PSYCHOLOGY
- SOCIOLGY
- FAMILY & CONSUMER STUDIES
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- ENVIRONMENTAL STUDIES
- NAVAL SCIENCES
- MILITARY SCIENCES
- AEROSPACE SCIENCE

Building 25. Social and Behavioral Science Tower
Third Floor Plan
Existing Space Allocation 0245
RECOMMENDATIONS:

RECONFIGURE/REMODEL GRAD STUDENT OFFICES AND SEMINAR SPACE FOR BETTER USE OF SPACE AND IMPROVED ACOUSTICS, SOUNDPROOFING, HVAC AND IT INFRASTRUCTURE.

THIS SPACE IS BEING REMODELED SPRING/SUMMER 2013 AS IMPROVED GRADUATE STUDENT OFFICES.

NEW FINISHES AT HALLWAYS INCLUDING MESSAGE BOARDS, SIGNAGE

REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
RECOMMENDATIONS:

- REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
- RECENTLY REMODELED SPACE REQUIRES BETTER SOUNDPROOFING.
RECOMMENDATIONS:

REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
RECOMMENDATIONS:

- REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
- REMODEL FOR BETTER USE AS DEPARTMENTAL STORAGE.

Legend:
- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTHROPOLOGY
- PSYCHOLOGY
- SOCIOLOGY
- FAMILY & CONSUMER STUDIES
- POLITICAL SCIENCE
- CPPA - CENTER FOR PUBLIC POLICY AND ADMINISTRATION
- MPA - MASTERS OF PUBLIC ADMINISTRATION
- NATIONAL CENTER FOR VETERANS STUDIES
- ENVIRONMENTAL STUDIES
- NAVAL SCIENCES
- MILITARY SCIENCES
- AEROSPACE SCIENCE

Building 25. Social and Behavioral Science Tower
Seventh Floor Plan
Existing Space Allocation 0253
RECOMMENDATIONS:
- REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
- CONSIDER REMODELING THIS GROUP OF SPACE FOR BETTER CONFIGURATION, IMPROVED ACOUSTICS, SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, NEW CEILINGS, FURNISHINGS.
RECOMMENDATIONS:

- REMODEL EXISTING GRADUATE STUDENT OFFICES AND LAB SPACE FOR BETTER SOUNDPROOFING, HVAC AND IT INFRASTRUCTURE
- REMODEL SPACE AFTER SPRING 2014 TO CREATE NEW SHARED NEUROSCIENCE LAB

Building 25. Social and Behavioral Science Tower

Ninth Floor Plan
RECOMMENDATIONS:

- REMODEL EXISTING FACULTY OFFICES AND LAB SPACE FOR BETTER SOUNDPROOFING, HVAC AND IT INFRASTRUCTURE
- REMODEL RESEARCH LAB SPACE FOR IMPROVED ACOUSTICS, SOUNDPROOFING, HVAC, IT INFRASTRUCTURE.
Existing Space Allocation

Eleventh Floor Plan

NOTE: NO IMPROVEMENTS HAVE BEEN IDENTIFIED AT THE 11TH FLOOR, HOWEVER, THE SAME SOUND, HVAC, AND OTHER INFRASTRUCTURE ISSUES EXIST AND WILL NEED TO BE ADDRESSED EVENTUALLY.

Building 25. Social and Behavioral Science Tower

Eleventh Floor Plan

Existing Space Allocation 0261
Building 25. Social and Behavioral Science Tower
Twelfth Floor Plan
Existing Space Allocation 0263
RECOMMENDATIONS:

- REMODEL EXISTING FACULTY OFFICES AND LAB SPACE FOR IMPROVED SOUNDPROOFING, HVAC AND IT INFRASTRUCTURE
- COULD BE SHARED AS LONG AS SCHEDULED AND STRASSBERG MAINTAINS PRIORITY

1301A Faculty Office (Williams)
1331 Faculty Office (Huebner)
1330 Faculty Office (Himle)
1329 Faculty Office (D. Rudd vacating June 2013 and P. Kerig moving in from 1306)
1322 Shared Clinical Assessment Lab
1324 Research Lab (Assessment)
1328A Research Lab (Strassberg)
1328 Research Lab (Strassberg)
1325 Research Lab (Assessment)
1327 Faculty Office (Strassberg)
1326 Conference Room
1323 Faculty Office (Crowell)
1320B Faculty Office (Baucom)
1320A Faculty Office (Euler)

1301 Staff Office (Looser)
1301B Faculty Office (Suchy)

1306 Faculty Office (will be available in June 2013 when P. Kerig moves to 1329)
RECOMMENDATIONS:

- EGRESS RESOLUTION - OPTION A - BUILD-OUT ENTIRE 14TH FLOOR TO MATCH FLOOR AREA BELOW AND CONNECT TO EXISTING EGRESS STAIRS

- EGRESS RESOLUTION - OPTION B - BUILD ENCLOSED CORRIDORS TO CONNECT OCCUPIED SPACE TO EXISTING EGRESS STAIRS
Building 25. Social and Behavioral Science Tower

Interior Photos

Existing Space Allocation 0269
**BUILDING SUMMARY**

**BUILDING NAME**  
William Stewart Building

**BUILDING NUMBER**  
06

**BUILDING ADDRESS**  
270 South 1400 East, Salt Lake City, UT 84112

**YEAR COMPLETED**  
1920

**BUILDING STRUCTURE**  
Masonry and concrete

**BUILDING GROSS SQ.FT**  
35,474 (per University provide data)

**BUILDING NET SQ. FT**  
30,790

**BUILDING NET ASSIGNABLE SQ. FT.**  
22,328

**NUMBER OF FLOORS**  
2

**SEISMIC RESISTING SYSTEM**  
No

**AUTO FIRE SUPPRESSION SYSTEM**  
Yes

**FIRE ALARM SYSTEM**  
Yes

**EXTERIOR GLAZING**  
Single-Pane Uninsulated

**INTERIOR PARTITIONS**  
Plaster, sheet plastic

**TYPES OF SPACE IN BUILDING**  
Offices, Wet Labs, Classrooms

**APPROPRIATE FUNCTIONAL USE OF BUILDING**  
The appropriate functional use of the building is the same types of spaces listed under “Types of Space in Building” above.

**HVAC SYSTEM**  
The building has several rooftop mechanical units for heating and cooling. The building has one of the oldest heating systems on campus which consists of steam heat fed from the University steam plant and distributed by steam radiators to the classrooms and offices. Some of the rooftop units have their own DX cooling systems built-in and some offices have window air-conditioning units. Mechanical equipment is gas fired for heating.

**DESIGN FEATURES**  
The building is a two-story cream-colored brick building with windows aligned vertically along the east and west facades.

**RESTROOMS**  
Existing plumbing fixture count may not satisfy building occupant load.

**HAZARDOUS MATERIAL ABATEMENT:**  
It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study.

**ACCESSIBILITY:**  
Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study.

**MISC**  
Users greatest complaints are sound control issues (poorly insulated walls), heating and cooling issues and poorly configured offices that have large under-utilized ante-rooms. One lab (210A) has a make-shift wood stud with plastic sheathing partition that separates it from the adjacent graduate student shared offices. There are numerous code compliance issues at office thresholds.
ISSUES:
HVAC
ACOUSTICS / SOUND PROOFING
NEED ADDITIONAL SPACE
REMODEL EXISTING SPACE (POORLY CONFIGURED)
UPGRADE TEACHING ENVIRONMENT

Percentage of Space in Stewart Building
Occupied by CSBS

Building 6. William Stewart Building

Building Location | Exterior Photos
CODE ANALYSIS
INTERNATIONAL BUILDING CODE 2012

OCCUPANCY CLASSIFICATION – IBC CHAPTER 3
A -3 (Assembly)
B (Educational)
S-1 (Storage)

TYPE OF CONSTRUCTION – IBC CHAPTER 6
Type III-B, (sprinkled)

MIXED USE AND OCCUPANCY - IBC SECTION 508
Separated Occupancies (Section 508.3.3)
A-3 Occupancy is assumed for lecture halls, classrooms, meeting spaces
S-1 Occupancy is assumed for storage rooms and mechanical
B Occupancy is assumed for offices

ALLOWABLE BUILDING HEIGHT AND FLOOR AREA – IBC CHAPTER 5, TABLE 503
A-3, Most Stringent
Maximum allowable height = 75 feet sprinkled (55 feet not-sprinkled), Actual = 30 feet +/-
Maximum number of stories =3 sprinkled (2 not-sprinkled), Actual = 2
Maximum Floor Area - 28,500 sq. ft. sprinkled (9,500 not-sprinkled)
Actual Building Area per Floor - 18,063 (First Floor), 17,007 (Second Floor)
Total Building Area = 35,070

OCCUPANCY SEPARATION – IBC TABLE 508.4
*A” Occupancy to “B” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
*A” Occupancy to “S-1” Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
*B” Occupancy to “S-1” Occupancy = 0 hour rating

MIXED OCCUPANCY – IBC SECTION 508.4
Separate Occupancies
Allowable Building Area Section for Mixed use occupancies 508.4.2

FIRE RESISTIVE REQUIREMENTS – IBC CHAPTER 6, TABLE 601
(Type II-B Building)
Structural Frame 0 hour rating
Bearing Walls
   Exterior 2 hour rating
   Interior 0 hour rating
Exterior Nonbearing Walls 0 hour rating (pending Fire Separation Dist.)
Interior Nonbearing Walls 0 hour rating
Floor (including supporting beam and joists) 0 hour rating
Roof (including supporting beam and joists) 0 hour rating
Corridor 0 hour rating with sprinkler system (table 1018.1); 1 hour rating without sprinkler system

OCCUPANCY LOAD FACTORS – IBC CHAPTER 10, TABLE 1004.1.1
Description of Occupancy  Occupancy Load Factor (SF/occupant)
Assembly
   (Concentrated – Chairs only-not fixed) 7 net
   (Art Galleries, Exhibition Halls) 30 net
   (Standing space) 5 net
   (Un-Concentrated – tables and chairs) 15 net
   (Fixed seating) # of seats
Business Areas
   (Offices) 100 gross
   (Storage areas, Mechanical, Electrical, Telecom, Janitor) 300 gross
Kitchen 200 gross

EGRESS WIDTH PER PERSON SERVED – IBC CHAPTER 10, SECTION 1005
Stairways = .30 inches/occupant
Other = .20 inches/occupant
Section 1018.2, Minimum corridor width is 44 inches (some exceptions)
Section 1008.1.1, Minimum door width is 32 inches clear; maximum door leaf is 48 inches
Section 1018.4, Dead-end Corridors shall not be greater than 50-feet (sprinkled); 20-feet (not-sprinkled)
RECOMMENDATIONS:

- SPACE SCHEDULED FOR REMODEL SPRING/SUMMER 2013
- RECONFIGURE/REMODEL SPACE FOR BETTER USE, UPDATE HVAC AND TO FIT MORE OCCUPANTS.
- REMODEL EXISTING SPACE FOR USE AS WET LAB (INCLUDES HALLWAY ACCESSIBILITY)
**CODE ANALYSIS (CONTINUED)**

**INTERNATIONAL BUILDING CODE 2012**

**NUMBER OF EXITS – IBC CHAPTER 10, TABLE 1015.1**

- ‘A’ and ‘B’ occupancy load that exceeds 49 will require two exits
- ‘S’ occupancy load that exceeds 29 will require two exits

**TRAVEL DISTANCE – IBC CHAPTER 10, TABLE 1016.1**

- A’ and S-1 occupancy = 250 feet (sprinkled); 200 feet (not-sprinkled)
- ‘B’ occupancy = 300 feet (sprinkled); 200 feet (not-sprinkled)

**EXIT SEPARATION – IBC CHAPTER 1015.2.**

Exit separation = one third (1/3) the diagonal dimension of the building or area in sprinkled buildings; one-half (1/2) the diagonal dimension of the building or area in non-sprinkled buildings

**STAIRS / RAMPS – IBC CHAPTER 10**

Section 1009.1 – The width shall not be less than 44 inches; to determine the egress width, multiply the occupancy times 30 to equal the number of width inches required. (section 1005.1) Note that the stair in this building is existing and is not being modified in this scope of work.

**ACCESSIBILITY – IBC CHAPTER 11**

(Also note, when considering accessibility requirements for an existing building, Chapter 34 of the IBC must be the basis for engaging these requirements)

Section 1104 – Accessible routes within the site shall be provided from public transportation stops; accessible parking; accessible passenger loading zones; and public streets or sidewalks to the accessible building entrance served.

Section 1105 – At least 60% of the entrances shall be accessible

Section 1106 – Accessible parking spaces shall be provided in compliance with table 1106.1.

Section 1106.5 – At least one accessible parking stall will be Van accessible; provide 1 Van per 6 accessible parking stalls

Section 1109 – Toilet and Bathing Facilities shall be accessible.

Section 1109.5 – Where drinking fountains are provided as required by table 2902.1, no fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons (some exceptions).

*Required accessible elements shall be identified using the international symbol of accessibility*

**PLUMBING FIXTURES REQUIRED – IBC CHAPTER 29**

Minimum number of required plumbing fixtures is based on occupancy type and occupant load (Table 2902.1) and shall be assessed prior to any change in occupant load.

**FIRE PROTECTION SYSTEMS – IBC CHAPTER 9 AND NFPA 13**

NFPA Chapter 10, Portable Fire Extinguishers; max. travel distance is 75 feet; max. distance between fire extinguishers is 150 feet.

**INTERIOR FINISHES FLAME SPREAD INDEX – IBC SECTION 803.9**

- Exit enclosures and exit passageways
- Corridors
- Rooms and enclosed spaces

- ‘B’ (sprinkled); ‘A’ (not-sprinkled)
- ‘B’ (sprinkled); ‘A’ (not-sprinkled)
- ‘C’ (sprinkled); ‘C’ (not-sprinkled)

**ROOF – IBC CHAPTER 15**

Section 1504.1 – Roof decks and roof Covering will be designed for wind loads for the locations.

Roof Covering Fire Classification – IBC Table 1505.1

Type of Construction III-B = Minimum of a ‘C’ Cover Fire Classification
RECOMMENDATIONS:

- RECONFIGURE/REMODEL SPACE FOR BETTER USE, UPDATE HVAC AND TO FIT MORE OCCUPANTS.

- THIS SPACE SCHEDULED TO BE REMODELED SPRING/SUMMER 2013.
Dedicated Anthropology Department Classroom

Anthropology Department Lab

Anthropology Dept. Graduate Student Shared Office Space

Anthropology Dept. Lab

Building 6. William Stewart Building

Interior Photos

Existing Space Allocation 02.79
Existing Space Allocation

675 Arapeen (Paradigm II) Building
BUILDING SUMMARY

BUILDING NAME  675 Arapeen Drive (Paradigm II) Building
BUILDING NUMBER  887
BUILDING ADDRESS  675 Arapeen Drive, Salt Lake City, UT 84108
YEAR COMPLETED  2002
BUILDING STRUCTURE  Masonry
BUILDING GROSS SQ.FT  Unknown
BUILDING NET SQ. FT  34,064
BUILDING NET ASSIGNABLE SQ. FT.  33,354
NUMBER OF FLOORS  3
SEISMIC RESISTING SYSTEM  Unknown
AUTO FIRE SUPPRESSION SYSTEM  Yes
FIRE ALARM SYSTEM  Yes
INTERIOR PARTITIONS  Gypsum Board
TYPES OF SPACE IN BUILDING  Offices, Wet Labs

The appropriate functional use of the building is the same types of spaces listed under "Types of Space in Building" above. It should be noted that the space occupied by the Geography Department labs is leased, not owned by the University of Utah.

HVAC SYSTEM  Unknown
DESIGN FEATURES  The building is located in Research Park.
RESTROOMS  May not meet the plumbing fixture requirements for the occupant load of the building.
MISC  Three labs in the Geography Department have recently moved to space on the first floor of the Paradigm II Building due to the remodel work underway at the Kennecott Building. The new lab space is anticipated to meet the needs of these three labs, however, all three labs would be best located on Main Campus in close proximity to the other Geography Department spaces in Orson Spencer Hall (OSH). The remote location of these labs has caused the need for the research lab faculty to have offices in both OSH and Paradigm II and much time wasted for both faculty and students traveling between OSH and Paradigm II.
675 Arapeen (Paradigm II) Building view from northwest

675 Arapeen (Paradigm II) Building view from west

ISSUES:
PROXIMITY TO MAIN CAMPUS

Building 887. 675 Arapeen (Paradigm II) Building

Percentage of Space in Paradigm II Occupied by CSBS

- 2% Support Space in Paradigm II
- 17% CSBS Space in Paradigm II
- 81% Other Department Space in Paradigm II
CODE ANALYSIS
INTERNATIONAL BUILDING CODE 2012

OCCUPANCY CLASSIFICATION – IBC CHAPTER 3
A -3 (Assembly)
B (Educational)
S-1 (Storage)

NOTE THAT A COMPLETE CODE REVIEW OF THE PARADIGM II BUILDING IS NOT INCLUDED IN THIS STUDY. IT IS PREFERRED THAT THE CSBS GEOGRAPHY DEPARTMENT SPACES LOCATED IN PARADIGM II BE RELOCATED TO MAIN CAMPUS IN CLOSE PROXIMITY TO THE OTHER GEOGRAPHY DEPARTMENT SPACES (CURRENTLY LOCATED IN ORSON SPENCER HALL).
RECOMMENDATIONS:
RELOCATE GEOGRAPHY DEPARTMENT LABS TO MAIN CAMPUS

Space used by Janitor for Labs
121 Conference/Classroom
(Currently used for storage until a storage POD can be provided)

115 Ice Lab
119 Packrat
118 Oven
116 Lab w/ Hood (RED/DIRT)
117 Lab w/ Refrigerator
114 RED Lab
114 DIRT Lab
(18) Student Carrels
113 Lounge
112 Magnet
111 Sediment Lab/Storage
110 Lab/Dark Room
109 Locker/Storage

Building 887. 675 Arapeen (Paradigm II) Building
First Floor Plan

Legend
- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTHROPOLOGY
- PSYCHOLOGY
- SOCIOLOGY
- FAMILY & CONSUMER STUDIES
- POLITICAL SCIENCE
- CPPA - CENTER FOR PUBLIC POLICY AND ADMINISTRATION
- MPA - MASTERS OF PUBLIC ADMINISTRATION
- NATIONAL CENTER FOR VETERAN'S STUDIES
- ENVIRONMENTAL STUDIES
- NAVAL SCIENCES
- MILITARY SCIENCES
- AEROSPACE SCIENCE
Building 887. 675 Arapeen (Paradigm II) Building Interior Photos

Overall view of shared space - Red Lab and DIRT Lab

Forster’s Ice Lab

Dark Room
**Building Summary**

**Building Name**
Fort Douglas PX

**Building Number**
FD 638

**Building Address**
255 Fort Douglas Blvd., Salt Lake City, UT 84113

**Year Completed**
1904 (total building renovation completed in May 2013)

**Building Structure**
Masonry, concrete, wood framed roof trusses and new metal stud walls

**Building Gross Sq Ft**
11,494 (per University provided data)

**Building Net Sq Ft**
11,494

**Building Net Assignable Sq Ft**
11,494

**Number of Floors**
1 plus basement

**Seismic Resisting System**
During the recent renovation a seismic upgrade was implemented which consists of new 8” 20 gauge metal studs with metal lath attached to the back with a foam adhesive applied which epoxies the studs to the inside face of the exterior brick walls and attaches to the roof rafters. This upgrade is not required by code but is being implemented to provide a few more minutes for occupants to exit the building during a seismic event.

**Auto Fire Suppression System**
Yes

**Fire Alarm System**
Yes

**Exterior Glazing**
Insulated Glass

**Interior Partitions**
Gypsum Board

**Types of Space in Building**
Offices, Classrooms, Locker Rooms, Storage Room

**Appropriate Functional Use of Building**
The appropriate functional use of the building is the same types of spaces listed under "Types of Space in Building" above.

**HVAC System**
A new boiler and VAV’s with a thermostat control in each space and split system air-conditioning units were installed during the building renovation.

**Design Features**
The new storage room has a high-density storage system to allow the Military Science Department to store the same amount of items in a much smaller space than previously occupied in Carlson Hall.

New restrooms and locker rooms were constructed as part of the building renovation. It is assumed they have been designed to meet code requirements for plumbing fixture count.

A total building renovation of the Fort Douglas PX was completed in May 2013 to house the Military Science Department. Although the square footage of space at the PX is less than the quantity of space previously occupied by Military Science in Carlson Hall, the new space at the PX was designed with the current needs of the Department in mind. It is anticipated that the new space at the PX will adequately suit the immediate needs of the Military Science Department with the exception of a large gathering space for ceremonies and a gun range.
CODE ANALYSIS
A code analysis has not been completed for the Fort Douglas PX Building because the space has recently undergone a total building renovation and a complete code review was required prior to beginning construction in that building for its intended use by the Military Science Department. Furthermore, the size, historic nature and proximity to other original Fort Douglas buildings makes it unlikely that a future expansion of the Fort Douglas PX Building will be considered. The University Building Official has identified the Construction Type of the Fort Douglas PX as V-B.
RECOMMENDATIONS:
THIS IS NEWLY RENOVATED SPACE (COMPLETED SPRING 2013) SO NO RECOMMENDATIONS HAVE BEEN MADE.
## Building Summary

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Name</td>
<td>Annex General Office</td>
</tr>
<tr>
<td>Building Number</td>
<td>105</td>
</tr>
<tr>
<td>Building Address</td>
<td>1901 East South Campus Drive, Salt Lake City, UT 84112</td>
</tr>
<tr>
<td>Year Completed</td>
<td>1920</td>
</tr>
<tr>
<td>Building Structure</td>
<td>Wood Framed</td>
</tr>
<tr>
<td>Building Gross Sq. Ft.</td>
<td>99,338 (per University provide data)</td>
</tr>
<tr>
<td>Building Net Sq. Ft.</td>
<td>89,895</td>
</tr>
<tr>
<td>Building Net Assignable Sq. Ft.</td>
<td>66,659</td>
</tr>
<tr>
<td>Number of Floors</td>
<td>2 with partial basement; west wing basement level is at grade.</td>
</tr>
<tr>
<td>Seismic Resisting System</td>
<td>No</td>
</tr>
<tr>
<td>Auto Fire Suppression System</td>
<td>No</td>
</tr>
<tr>
<td>Fire Alarm System</td>
<td>Yes</td>
</tr>
<tr>
<td>Exterior Glazing</td>
<td>Single-Pane Uninsulated</td>
</tr>
<tr>
<td>Interior Partitions</td>
<td>Gypsum Board and Cellotex</td>
</tr>
<tr>
<td>Types of Space in Building</td>
<td>Offices, Classrooms, Conference Rooms, Lounges, Computer Labs</td>
</tr>
<tr>
<td>Appropriate Functional Use of Building</td>
<td>The appropriate functional use of the building is the same types of spaces listed under &quot;Types of Space in Building&quot; above.</td>
</tr>
<tr>
<td>HVAC System</td>
<td>Steam heat (radiators) fed from two boilers located in the basement mechanical room. Window air-conditioning units, ductless Mitsubishi type cooling units and a package chiller fed by two air-handlers provide cooling to the building.</td>
</tr>
<tr>
<td>Design Features</td>
<td>The building consists of four north-south wings connected by a long corridor along the south end of each wing. From east-to-west the wings are designated &quot;A&quot;, &quot;B&quot;, &quot;C&quot;, &quot;D&quot;. Aerospace Studies occupies space in the top level of the &quot;D&quot; wing.</td>
</tr>
</tbody>
</table>

## Restrooms

Existing plumbing fixture count may not satisfy building occupant load.

## Hazardous Material Abatement

It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study. Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study. Users greatest complaints are sound control issues (poorly insulated walls) and heating and cooling issues.
ISSUES:
HVAC
ACOUSTICS / SOUND PROOFING
REMODEL EXISTING SPACE

Percentage of Space in Annex Occupied by CSBS

105. Annex

Building Location | Exterior Photos
CODE ANALYSIS

A code analysis has not been completed for The Annex because the spaces occupied by Aerospace Studies do not have any immediate needs for change other than from an aesthetic and interior environment standpoint. The greatest architectural barrier is the non-ADA compliant door hardware that should be replaced with lever-type locksets. There is no change in occupancy or use of the existing spaces. The Annex General Office Building cannot accommodate the future needs of Aerospace Studies which include locker rooms, workout/training facilities, classroom to accommodate 100 persons and a firing range so reviewing the code implications of adding these spaces to the building are superfluous. The University Building Official has identified the Construction Type of the Annex as V-B.
RECOMMENDATIONS:
1. REPLACE WINDOWS
2. UPDATE LIGHTING
3. INSTALL ADA COMPLIANT DOOR HARDWARE
BUILDING SUMMARY

Orson Spencer Hall
54
260 Central Campus Dr., Salt Lake City, UT 84112
1955
Masonry, Concrete floor slabs
116,148
105,394
3
No
Yes
Yes
Single-pane Uninsulated. Many window have operable exterior sun-shade louvers.
Gypsum Board
Offices, Classrooms, Lecture Halls, Meeting Spaces
The appropriate functional use of the building is the same types of spaces listed under "Types of Space in Building" above.
The mechanical system is a constant volume system with VFD's on the fans. The space above the ceilings acts as the return-air plenum. The space above the third-floor ceiling acts as both the supply and return-air plenums and the entire building has inadequate air flow. Heating is a single-duct discharge air reheat system and all offices have reheat coils. There is a perimeter steam heat system in most spaces and there are thermostats but not controls in each space. Cooling is from chilled water from the USTAR cooling plant. There are five fan systems in the building serving the North, South, Central, Auditorium and 3rd floor North areas of the building. There is no chilled water serving the building in winter so outside air is used as needed.
The building design includes exterior sun-shade window louvers that pose a problem due to the lack of control from all spaces. The windows are difficult to keep clean and birds tend to roost in between the louvers causing noise and waste issues. The building is lacking informal gathering spaces for students and faculty which causes the hallways to become lined with students sitting on floors in-between classes.
Need to be updated and may not meet the plumbing fixture requirements for the occupant load of the building.
It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study. Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study.
Users main complaints are poor heating and cooling, lack of control of exterior window louvers, bird roosting in the window louvers, frequent leaks at ceilings (likely from pipes, not roof), poor sound control between spaces (lack of sound insulation at walls), poorly configured meeting space.

DESIGN FEATURES

INTERIOR PARTITIONS
Gypsum Board
TYPES OF SPACE IN BUILDING
Offices, Classrooms, Lecture Halls, Meeting Spaces
APPROPRIATE FUNCTIONAL USE OF BUILDING
The appropriate functional use of the building is the same types of spaces listed under "Types of Space in Building" above.
HVAC SYSTEM
The mechanical system is a constant volume system with VFD's on the fans. The space above the ceilings acts as the return-air plenum. The space above the third-floor ceiling acts as both the supply and return-air plenums and the entire building has inadequate air flow. Heating is a single-duct discharge air reheat system and all offices have reheat coils. There is a perimeter steam heat system in most spaces and there are thermostats but not controls in each space. Cooling is from chilled water from the USTAR cooling plant. There are five fan systems in the building serving the North, South, Central, Auditorium and 3rd floor North areas of the building. There is no chilled water serving the building in winter so outside air is used as needed.
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It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study. Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study.
Users main complaints are poor heating and cooling, lack of control of exterior window louvers, bird roosting in the window louvers, frequent leaks at ceilings (likely from pipes, not roof), poor sound control between spaces (lack of sound insulation at walls), poorly configured meeting space.

RESTROOMS
Single-pane Uninsulated. Many window have operable exterior sun-shade louvers.

HAZARDOUS MATERIAL ABATEMENT
It is likely that hazardous materials such as asbestos or lead-based paint exist in the building and will need to be abated prior to any proposed remodel work. Abatement will add to the cost of remodel work, however, a detailed summary of the abatement that may be required is not in the scope of this study. Alterations to existing buildings do require up to 20% of the project budget to be applied to improving the accessible route to the area of work. This is not included in the raw costs identified in Section 4 of this Study.
Users main complaints are poor heating and cooling, lack of control of exterior window louvers, bird roosting in the window louvers, frequent leaks at ceilings (likely from pipes, not roof), poor sound control between spaces (lack of sound insulation at walls), poorly configured meeting space.

MISC
ISSUES:
- HVAC
- WINDOW LOUVERS - LACK OF CONTROL
- FREQUENT OVERHEAD PIPE LEAKS
- BLACK MOLD
- ACOUSTICS / SOUND PROOFING
- NEED ADDITIONAL SPACE
- UPGRADE TEACHING ENVIRONMENT
- REMODEL EXISTING SPACE

Percentage of Space in Orson Spencer Hall (OSH) Occupied by CSBS

View of Orson Spencer Hall from southeast

View of Orson Spencer Hall from southwest
**CODE ANALYSIS**

**INTERNATIONAL BUILDING CODE 2012**

**OCCUPANCY CLASSIFICATION – IBC CHAPTER 3**
- A-3 (Assembly)
- B (Educational)
- S-1 (Storage)

**TYPE OF CONSTRUCTION – IBC CHAPTER 6**
- Type II-A, (sprinkled)

**MIXED USE AND OCCUPANCY - IBC SECTION 508**
- Separated Occupancies (Section 508.3.3)
  - A-3 Occupancy is assumed for lecture halls, classrooms, meeting spaces
  - S-1 Occupancy is assumed for storage rooms and mechanical
  - B Occupancy is assumed for offices

**ALLOWABLE BUILDING HEIGHT AND FLOOR AREA – IBC CHAPTER 5, TABLE 503**
- A-3, Most Stringent
  - Maximum allowable height = 75 feet sprinkled (55 feet not-sprinkled), Actual = 40 feet +/-
  - Maximum number of stories =3 sprinkled (2 not-sprinkled), Actual = 3
  - Maximum Floor Area = 46,500 sq. ft. sprinkled (15,500 not-sprinkled; 58,125 with frontage and sprinkler allowance)
  - Actual Building Area per Floor - 54,033 (First Floor), 53,751 (Second Floor), 24,942 (Third Floor)
  - Total Building Area = 132,726

**OCCUPANCY SEPARATION – IBC TABLE 508.4**
- "A" Occupancy to "B" Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
- "A" Occupancy to "S-1" Occupancy = 1 hour rating sprinkled; 2 hour rating not-sprinkled
- "B" Occupancy to "S-1" Occupancy = 0 hour rating

**MIXED OCCUPANCY – IBC SECTION 508.4**
- Separated Occupancies
- Allowable Building Area Section for Mixed use occupancies 508.4.2

**FIRE RESISTIVE REQUIREMENTS – IBC CHAPTER 6, TABLE 601**
- (Type II-A Building)
  - Structural Frame: 1 hour rating
  - Bearing Walls:
    - Exterior: 1 hour rating
    - Interior: 1 hour rating
  - Exterior Nonbearing Walls: 0 hour rating (pending Fire Separation Dist.)
  - Interior Nonbearing Walls: 0 hour rating
  - Floor: 1 hour rating (including supporting beam and joists)
  - Roof: 1 hour rating (including supporting beam and joists)
  - Corridor: 0 hour rating with sprinkler system (table 1018.1); 1 hour rating without sprinkler system

**OCCUPANCY LOAD FACTORS – IBC CHAPTER 10, TABLE 1004.1.1**
- Description of Occupancy: Occupancy Load Factor (SF/occupant)
  - Assembly (Concentrated – Chairs only-not fixed): 7 net
  - (Art Galleries, Exhibition Halls): 30 net
  - (Standing space): 5 net
  - (Un-Concentrated – tables and chairs): 15 net
  - (Fixed seating): # of seats
  - Business Areas: 100 gross
  - (Offices): 300 gross
  - (Storage areas, Mechanical, Electrical, Telecom, Janitor): 200 gross
  - Kitchen: 200 gross

**EGRESS WIDTH PER PERSON SERVED – IBC CHAPTER 10, SECTION 1005**
- Stairways = .30 inches/occupant
- Other = .20 inches/occupant
- Section 1018.2, Minimum corridor width is 44 inches (some exceptions)
- Section 1008.1.1, Minimum door width is 32 inches clear; maximum door leaf is 48 inches
- Section 1018.4, Dead-end Corridors shall not be greater than 50-feet (sprinkled); 20-feet (not-sprinkled)
RECOMMENDATIONS:

- REMODEL TO INCLUDE TWO PRIVATE FACULTY OFFICES AND STUDENT CUBICLES (SIMILAR TO 209 OSH REMODEL).
- REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.

Legend:
- GEOGRAPHY
- ECONOMICS
- CSBS - DEAN SPACES
- ANTROPOLGY
- PSYCHOLOGY
- SOCIOLOGY
- FAMILY & CONSUMER STUDIES
- POLITICAL SCIENCE
- CIPPA - CENTER FOR PUBLIC POLICY AND ADMINISTRATION
- MPA - MASTERS OF PUBLIC ADMINISTRATION
- NATIONAL CENTER FOR VETERANS STUDIES
- ENVIRONMENTAL STUDIES
- NAVAL SCIENTIFIC
- MILITARY SCIENCES
- MILITARY AEROSPACE SCIENCE
FACILITY ASSESSMENT

NUMBER OF EXITS – IBC CHAPTER 10, TABLE 1015.1
'A' and 'B' occupancy load that exceeds 49 will require two exits
'S' occupancy load that exceeds 29 will require two exits

TRAVEL DISTANCE – IBC CHAPTER 10, TABLE 1016.1
'A' and 'S-1' occupancy = 250 feet (sprinkled); 200 feet (not-sprinkled)
'B' occupancy = 300 feet (sprinkled); 200 feet (not-sprinkled)

EXIT SEPARATION – IBC CHAPTER 1015.2
Exit separation = one third (1/3) the diagonal dimension of the building or area in sprinkled buildings; one-half (1/2) the diagonal dimension of the building or area in non-sprinkled buildings

STAIRS / RAMPS – IBC CHAPTER 10
Section 1009.1 – The width shall not be less than 44 inches; to determine the egress width, multiply the occupancy times .30 to equal the number of width inches required. (section 1005.1) Note that the stair in this building is existing and is not being modified in this scope of work.

ACCESSIBILITY – IBC CHAPTER 11
(Also note, when considering accessibility requirements for an existing building, Chapter 34 of the IBC must be the basis for engaging these requirements).
Section 1104 – Accessible routes within the site shall be provided from public transportation stops, accessible parking, accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance served.
Section 1105 – At least 60% of the entrances shall be accessible
Section 1106 – Accessible parking spaces shall be provided in compliance with table 1106.1.
Section 1106.5 – At least one accessible parking stall will be Van accessible; provide 1 Van per 6 accessible parking stalls
Section 1109 – Toilet and Bathing Facilities shall be accessible.

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PLUMBING FIXTURES REQUIRED – IBC CHAPTER 29
Minimum number of required plumbing fixtures is based on occupancy type and occupant load (Table 2902.1) and shall be assessed prior to any change in occupant load.

INTERIOR FINISHES FLAME SPREAD INDEX – IBC SECTION 803.9
Section 1109.5 – Where drinking fountains are provided as required by table 2902.1, no fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons (some exceptions).
Required accessible elements shall be identified using the international symbol of accessibility.

FIRE PROTECTION SYSTEMS – IBC CHAPTER 9 AND NFPA 13
NFPA Chapter 10, Portable Fire Extinguishers; max. travel distance is 75 feet; max. distance between fire extinguishers is 150 feet.

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RECOMMENDATIONS:

REMODEL EXISTING SPACE FOR IMPROVED ACOUSTICS/SOUNDPROOFING, HVAC, IT INFRASTRUCTURE, FURNISHINGS, NEW CEILINGS.
Graduate Student Shared Office Space

Hinckley Institute Meeting Space - may be used by CSBS after Hinckley relocates

Meeting Space

Meeting Space
RECOMMENDATIONS:

- UPDATE TECHNOLOGY, IMPROVE HVAC / NOISE CONTROL / ETC. ISSUES
- PROVIDE IMPROVED FACULTY OFFICES (WITH WINDOWS AND IN SAME DEPARTMENTAL SUITE, AND WITH IMPROVED HVAC / NOISE CONTROL / ETC. ISSUES)
- IMPROVE HVAC / NOISE CONTROL / ETC. ISSUES

Legend:
- GEOGRAPHY
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- AEROSPACE SCIENCE
### Summary of Spaces - Existing and Proposed

#### Recommendations Space Planning / Departmental Notes

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Reception space with two work stations for admin staff and counter space, copy machines/printers, file cabinets, faculty mail boxes, grad student boxes, 2 chairs for waiting, etc.</td>
<td>1 (254 SF)</td>
<td>2 plus 2-4 Visitors</td>
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</tr>
<tr>
<td>Small room with copy machine, fax, shelves with office supplies, small work table with cutting board, etc.</td>
<td>1 (115 SF)</td>
<td>2-3</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Medium size break room area with upper and lower cabinets, counter, microwave, Full and Mini Fridge, shelves, etc.</td>
<td>1 (172 SF)</td>
<td>4-5</td>
<td></td>
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</tr>
<tr>
<td>Large room with conference table seating 10, 4-5 additional seats. Walls filled with bookshelves and supplies. Adjacent office supply storage closet. Space used as walk-through, only access connecting admin and faculty offices to copy and break room.</td>
<td>1 (295 SF)</td>
<td>6 to 10</td>
<td>2</td>
<td>6 to 10</td>
<td></td>
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</tr>
<tr>
<td>Large room with conference table seating up to 18, additional seating up to 30. Projection system, white boards, shelves, etc. Good sized space but not always big enough for all seminars.</td>
<td>1 (660 SF)</td>
<td>4 to 6</td>
<td>2</td>
<td>10 to 20</td>
<td></td>
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</tr>
<tr>
<td>Small Conference room at faculty office block. Small Conference table for 6.</td>
<td>1 (173 SF)</td>
<td>6 to 7</td>
<td></td>
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</tr>
<tr>
<td>Medium sized private offices, located mostly on level 2 (1 office on level 1 and level 3; Office 270C is 189 SF).</td>
<td>13 (approx 115-160 SF)</td>
<td>1 plus 1-2 Visitors</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Medium sized private offices adjacent to reception area. Houses student records because no dedicated room elsewhere.</td>
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<tr>
<td>Small, narrow room, file cabinets and shelves lining one wall.</td>
<td>1 (65 SF)</td>
<td>0</td>
<td></td>
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</tr>
<tr>
<td>Large storage area, lockers, shelves, files, etc.</td>
<td>1 (212 SF)</td>
<td>0</td>
<td></td>
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</tr>
<tr>
<td>Small storage closets off of general purpose classroom 115.</td>
<td>3 (approx 60-90 SF)</td>
<td>0</td>
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</tr>
</tbody>
</table>

#### Future Projected Space Needs (4+ Years)

- Geography Dept. notes that two of the new project rooms needed are dedicated to medical GIS and Urban GIS research projects requiring security doors for confidential data.
Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Space Name/Space</th>
<th>Description</th>
<th>Current Space Allocation</th>
<th>Immediate Space Needs (1-3 Years)</th>
<th>Future Projected Space Needs (4+ Years)</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Offices - Adjunct (172, 180B)</td>
<td>Small private offices for Faculty, located on level 1. Offices 172 and 180B are shared by 2 occupants.</td>
<td>1 (600 SF)</td>
<td>1-2 plus 1 Visitor</td>
<td></td>
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</tr>
<tr>
<td>Faculty Offices - Emeritus (170)</td>
<td>Small private office for Faculty, Seating for guests</td>
<td>1 (90 SF)</td>
<td>1 plus 1-2 Visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty Offices - Valuing Scholars (21A)</td>
<td>Small private office for Valuing Faculty, Two desks w/ computers, shelving, file cabinets, etc.</td>
<td>1 (115 SF)</td>
<td>2 plus 1-2 Visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Student Office (171)</td>
<td>Small private office, desks and seating, file cabinets, etc.</td>
<td>1 (134 SF)</td>
<td>2 plus 1-2 Visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Student Space - Large (117)</td>
<td>Large open space w/ 1 desk for visiting scholar and 3-4 desks for students, file cabinets, plotters, etc. Dirty residue on ceiling tiles, walls, etc.</td>
<td>1 (324 SF)</td>
<td>5 plus 2-3 Visitors</td>
<td>5</td>
<td>1 to 12</td>
<td>11</td>
</tr>
<tr>
<td>Graduate Student Training (109)</td>
<td>Large open space w/ work stations in center and small cubicle workspaces around perimeter. No private area for individual or private student/teacher tutoring and discussion.</td>
<td>1 (555 SF)</td>
<td>11 plus 4-5 Visitors</td>
<td></td>
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</tr>
<tr>
<td>Digit Lab (174 &amp; 175A)</td>
<td>Recently remodeled space with reception desk and counter, work table, plotter, 7 staff offices/work stations, conference room/labs, etc.</td>
<td>1 (1090 Total SF)</td>
<td>18-20</td>
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<tr>
<td>Digit Lab Project Work Area</td>
<td>Work area needed adjacent to existing digit lab space.</td>
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<tr>
<td>USA Lab (178 &amp; 179N) - Utah Remote Sensing Applications Center</td>
<td>Small research space (300 SF) with Faculty desks, 4 work stations for grad/tech assistant. Adjacent to 174 (120 SF) used as desk storage, storage space, etc.</td>
<td>1 (1315 Total SF)</td>
<td>7-8</td>
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<tr>
<td>USA Lab Additional Space</td>
<td>Additional space needed adjacent to existing USA Lab</td>
<td></td>
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<tr>
<td>G10A Wet Lab/Power Lab</td>
<td>Small, narrow lab space w/ counters, 2 sinks, cabinets, work space, computer station, cardboard placed in air grille for temp control. Needs to be located adjacent to valable classroom. Needs a Fume hood, distilled water, storage space, counters open beneath for access to view microscopes, etc.</td>
<td>1 (1222 SF)</td>
<td>4.5</td>
<td></td>
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<tr>
<td>CNTH (334) - Center for Natural &amp; Technological Hazards</td>
<td>Large research space w/ 5 work stations, file cabinets, shelves, small break areas w/ counters, counter, mini fridge, microscopes. Thin exterior &amp; interior windows, very cold space, multiple space heaters to stay warm.</td>
<td>1 (280 SF)</td>
<td>6</td>
<td>1</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>Microscope Teaching Lab</td>
<td></td>
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<tr>
<td>Storage Room</td>
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<tr>
<td>Geology Dept. dedicated computer lab</td>
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</tr>
<tr>
<td>Space Name/Type/Use</td>
<td>Description</td>
<td># Rooms</td>
<td># Occ/Rm</td>
<td># New Rooms</td>
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</tr>
<tr>
<td><strong>Paradigm I Space</strong></td>
<td>The spaces listed below are located in Building #887 - Paradigm I, 675 Arapeen Way in University Research Park.</td>
<td></td>
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</tr>
<tr>
<td><strong>Faculty Offices - Full time (102, 103, 104, 105, 106, 107, 108)</strong></td>
<td>Medium size private offices with glazed opening into open RED lab.</td>
<td>7 (approx 120 SF)</td>
<td>1 plus 1-2 visitors</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Admin - Locker Storage (109)</strong></td>
<td>Open area near interior secondary entrance, lockers available for storage.</td>
<td>1 (approx 150 SF)</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Admin - Mail Storage (110)</strong></td>
<td>Large storage area adjacent to main entry 100.</td>
<td>1 (335 SF)</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Admin - Closet Storage (111)</strong></td>
<td>Closet storage for supplies, etc.</td>
<td>1 (78 SF)</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Admin - Packrat Storage (112)</strong></td>
<td>Small storage area for packrat supplies, etc.</td>
<td>1 (60 SF)</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Admin - Lounge (113)</strong></td>
<td>Open lounge area open to RED lab space</td>
<td>1 (approx 200 SF)</td>
<td>5-6</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Classroom/Conference (121)</strong></td>
<td>Large open classroom with tables and chairs for 32, projection system, cabinets, counter and sink, etc.</td>
<td>1 (395 SF)</td>
<td>35-40</td>
<td>1</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td><strong>GEOGRAPHY</strong></td>
<td>New Geography Classrooms in OSH should have flexible wall and seating capabilities to support a variety of learning models. Teleconferencing capabilities are necessary as are wet lab instructional capability. Space Planning suggests booking General Purpose Classrooms to satisfy these needs.</td>
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</tr>
<tr>
<td><strong>Oak Room (110)</strong></td>
<td>Small Oak room area with fume hood and eye wash station, cabinets, counter and sink. Room is good size but half the size of optimal lab space.</td>
<td>1 (206 SF)</td>
<td>5-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sediment Lab/Storage (111)</strong></td>
<td>Small lab space for sediments, wet area, Cabinets, counter, and sink. Half the size of optimal lab space.</td>
<td>1 (122 SF)</td>
<td>3-4</td>
<td>1</td>
<td>2 to 8</td>
<td>2</td>
</tr>
<tr>
<td><strong>Magnet Room (112)</strong></td>
<td>Small research space with cabinets, counter, sink, oven, magnet, etc. Department could use 2 more rooms just like this one.</td>
<td>1 (106 SF)</td>
<td>1-2</td>
<td>2</td>
<td>1-2</td>
<td>1</td>
</tr>
<tr>
<td><strong>RED Lab and Dirt Lab (114) - Records of Environment and Disturbance Lab</strong></td>
<td>Large open lab space shared between two programs. Tables and seating for up to 60. Dual/fixed desk placement, work stations, cabinets, counters, equipment, etc.</td>
<td>1 (approx 3,360 SF)</td>
<td>40</td>
<td></td>
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</tr>
<tr>
<td><strong>Ice Lab (115)</strong></td>
<td>Large open research space with large walk in freezer (approx 151 SF), tables and chairs for 10, cabinets, counter, sink, shared lighting through interior windows, etc.</td>
<td>1 (780 SF)</td>
<td>15-20</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Lab w/ Fume Hood (116)</strong></td>
<td>Small research space with fume hood, fridge, and utility area.</td>
<td>1 (113 SF)</td>
<td>2-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lab w/ Fridge (117)</strong></td>
<td>Small research space with cabinets, counter, sink and large walk in freezer.</td>
<td>1 (95 SF w/ 150 SF freezer)</td>
<td>2-3</td>
<td></td>
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<th># Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Support Spaces - Office Admin Staff (228)</td>
<td>Large Open Office Space with Reception Desk, file storage, seating, etc.</td>
<td>1</td>
<td>(233 SF)</td>
<td>6-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Office Supply (232A)</td>
<td>Large Office for department chair. Small conference table with seating for 5 visitors.</td>
<td>1</td>
<td>(213 SF)</td>
<td>1 plus 3-5 visitors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Office Staff (228C)</td>
<td>Large Private office for Admin Staff, seating for guests.</td>
<td>1</td>
<td>(140 SF)</td>
<td>1 plus 3-5 visitors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Office Staff (228D)</td>
<td>Small semi-private office for Admin Staff, open connection to Admin reception.</td>
<td>1</td>
<td>(87 SF)</td>
<td>1 plus 1 visitor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Copy Room (230)</td>
<td>Large open space with copy machine, upper and lower cabinets, counter, etc.</td>
<td>1</td>
<td>(148 SF)</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Kitchen/ Break Room (219)</td>
<td>Kitchen with upper and lower cabinets, countertops, microwave, sink and fridge.</td>
<td>1</td>
<td>(60 SF)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Large Advisor Office (232)</td>
<td>Small office. No waiting area for students. Needs better location within Admin suite.</td>
<td>1</td>
<td>(130 SF)</td>
<td>1 plus 1 visitor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Small Advisor Office (231)</td>
<td>Office too small, not up to U of Utah standards for advising. No waiting area for students. Should be connected to Admin suite.</td>
<td>1</td>
<td>(67 SF)</td>
<td>1 plus 1 visitor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Server (210)</td>
<td>Only accessible by University employees.</td>
<td>1</td>
<td>(67 SF)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Rooms - Small (202, 205, &amp; 202A)</td>
<td>Small storage rooms at level 2.</td>
<td>3</td>
<td>(approx 60 SF)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Rooms - Closet (241)</td>
<td>Small Storage closet for Research Storage.</td>
<td>3</td>
<td>(60 SF)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Rooms - Large (130 &amp; 130A)</td>
<td>Large storage rooms with daycare supplies, large shelving system, etc.</td>
<td>2</td>
<td>(approx 160 SF)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Rooms at Classroom (3rd Level)</td>
<td>Small Storage at General Purpose Classrooms (20A, 20B, 20B, 22A)</td>
<td>6</td>
<td>(approx 400 SF)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Rooms - Exterior (180)</td>
<td>Large storage room accessed only from exterior at playground area.</td>
<td>1</td>
<td>(180 SF)</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference Room - Small (214)</td>
<td>Small Conference room with conference table and chairs for 12 plus additional 2-4 seats, flat screen TV, white board, etc.</td>
<td>1</td>
<td>(150 SF)</td>
<td>7-8</td>
<td>2</td>
<td>2 plus 8</td>
<td>10-18 SF</td>
<td>40-45</td>
<td></td>
</tr>
<tr>
<td>Library/Conference/ Meeting/ Classroom (225)</td>
<td>Large room with U-shaped conference table layout, seating for 15 or tables. Additional seating of perimeter. Bookshelves along perimeter can be removed to create additional space. Techology update (See Crystal room at business building).</td>
<td>1</td>
<td>(716 SF)</td>
<td>40-45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Current Space Allocation</td>
<td>Immediate Space Needs (1-3 Years)</td>
<td>Future Projected Space Needs (4+ Years)</td>
<td>Recommendations</td>
<td></td>
<td></td>
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<tr>
<td>----------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Faculty Office - Full Time (208, 212, 216, 218, 251, 253, 257, 259) Medium size private offices for faculty.</td>
<td>18 (100-150 SF)</td>
<td>1 plus 1-2 visitors</td>
<td>1 plus 1-2 visitors</td>
<td>Space Planning requests justification for three additional offices for part-time/professor, at least 1+ shared spaces with access to a student conference area.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Faculty Office - Visiting/Adjunct (253) Large office shared by 3 visiting/adjunct faculty.</td>
<td>1 (154 SF)</td>
<td>3 plus 1-2 visitors</td>
<td>3 plus 1 Visitors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part time Instructor's Office (324) Large private office locate on third floor.</td>
<td>1 (179 SF)</td>
<td>1 plus 3-5 visitors</td>
<td>3 plus 3 visitors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Student Offices (241, 257 &amp; 280) Large open offices for Graduate Students.</td>
<td>3 (140-200 SF)</td>
<td>3-4</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab - Research Lab (207)(Dry Informatics) Space too small for deas, research storage (fill cabinets). plus, up to 5 occupants. Requires ethernet connection for more powerful internet access.</td>
<td>1 (101 SF)</td>
<td>6-5</td>
<td>6-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large Storage (248) Large open storage area, could serve as future office. It is currently used by the Child and Family Development Center and should be located adjacent to the classroom space.</td>
<td>1 (141 SF)</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Student Lounge (300) Part of addition to A28. Large space that is rarely used. Needs to be located closer to central core of students in order to activate the space.</td>
<td>1 (200 SF)</td>
<td>8-10</td>
<td>8-10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Family/Instructor Staff (belonging to Family and Consumer Studies)</td>
<td>1 (331 SF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day Care Lab Classrooms (136, 156, 160, 150) Unidentified timeline for planned move of childcare facilities to new building; would require approx. 3000 SF of available space, at lower level plus, storage and observation rooms.</td>
<td>4 (approx. 650 SF EA)</td>
<td>approx 25</td>
<td>approx 25</td>
<td>Improvements need to be identified by the Director of Child &amp; Family Development Program as: lowered counter in rooms 136 &amp; 150, middle space in each room reconfigurable for better visual supervision of children and doors added to the bathrooms.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day Care Lab Restrooms (150A, 150B, 140A) Children sized restrooms located in-between play area classroom spaces.</td>
<td>3 (400 SF)</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day Care Lab Observation Rooms (154, 144, 160, 150) Observation rooms located between play and Day Care Class.</td>
<td>6 (approx. 80 SF)</td>
<td>2-6</td>
<td>2-6</td>
<td>Observation room 144 needs a countertop added and all observation windows could use sound system updated.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Room</td>
<td>0</td>
<td>0</td>
<td>3-6</td>
<td>3-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Summary of Spaces - Existing and Proposed

#### COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Social and Behavioral Sciences</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Administrative Support Spaces - Reception, Office Admin Staff (343)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Admin - Break Room (341)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Admin - Department Chairs Office (340)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Admin - Chief Admin Officers Office (343)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Admin - Copy Room (349)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Admin - Advisors Office (351)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Admin - Supply Room Storage (356)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Faculty Offices - Emeritus (358)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Auxillary Faculty Office (353)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Faculty Offices - Adjunct/Visiting Faculty (370 &amp; 376)</td>
<td>2</td>
<td>1 plus 1-2 visitors</td>
<td>2</td>
<td>1 plus 1-2 visitors</td>
<td>4</td>
<td>1 plus 1-2 visitors</td>
<td>2</td>
<td>1 plus 1-2 visitors</td>
</tr>
<tr>
<td>Graduate Student Cubicles (Hall 318)</td>
<td>6</td>
<td>1 plus 1-2 visitors</td>
<td>6</td>
<td>1 plus 1-2 visitors</td>
<td>12</td>
<td>1 plus 1-2 visitors</td>
<td>6</td>
<td>1 plus 1-2 visitors</td>
</tr>
<tr>
<td>Graduate Student Office - Small (376, 380)</td>
<td>3</td>
<td>3-4</td>
<td>3</td>
<td>3-4</td>
<td>6</td>
<td>3-4</td>
<td>3</td>
<td>3-4</td>
</tr>
<tr>
<td>Graduate Student Office - Medium (357)</td>
<td>1</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
<td>2</td>
<td>6-8</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>Graduate Student Office - Large (209)</td>
<td>1</td>
<td>5-10</td>
<td>1</td>
<td>5-10</td>
<td>2</td>
<td>5-10</td>
<td>1</td>
<td>5-10</td>
</tr>
<tr>
<td>Graduate Student Office - Large (213)</td>
<td>1</td>
<td>10</td>
<td>1</td>
<td>10</td>
<td>2</td>
<td>10</td>
<td>1</td>
<td>10</td>
</tr>
</tbody>
</table>

Note that under the current arrangements and under Economics current faculty size, two full-time tenure-track faculty members have interior windowless offices. Ideally, all full-time tenure-track faculty members would have offices with windows. Additionally, two current tenure-track faculty have offices on a separate, secluded hallway outside the main entrance to the Department which is not ideal (337 & 339).
<table>
<thead>
<tr>
<th>Space Name/Type</th>
<th>Description</th>
<th>Current Space Allocation</th>
<th>Immediate Space Needs (1-3 Year)</th>
<th>Future Projected Space Needs (4+ Year)</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Hour Rooms (368, 372, 378)</td>
<td>Small office spaces used mostly for grad students to hold office hours for their students.</td>
<td>3 (60-100 SF)</td>
<td>1 plus 2 visitors</td>
<td>1</td>
<td>1 plus 2 visitors</td>
<td>2</td>
</tr>
<tr>
<td>Conference Room/Library (336)</td>
<td>Large open library space, 3-4 large tables pushed together as conference tables. Seating for 16-18 of tables, rest seating approx 10 in room. Bookshelves at perimeter, projection equipment, etc. Space often used by other departments, econ faculty.</td>
<td>1 (680 SF)</td>
<td>40-50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seminar Space (360)</td>
<td>Small seminar space, econ specific. Long and narrow arrangement, long narrow tables, seating for up to 20, projection equipment, whiteboards, updated lighting and materials, etc. Need new seminar space with horseshoe style layout, video-conferencing, computer projection, whiteboards.</td>
<td>1 (630 SF)</td>
<td>16-20</td>
<td>1</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>Informal Student Lounge (389F)</td>
<td>Informal lounge space created at end of circulation hall. Lounge seating, table and chairs, whiteboards, side table, etc. A proper Student/Faculty lounge is needed.</td>
<td>1 (292 SF)</td>
<td>8-10</td>
<td>1</td>
<td>40</td>
<td>2</td>
</tr>
<tr>
<td>Collaborative Research/Project Room</td>
<td>Dedicated space for project specific research is needed.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Environmental and Sustainability Studies</td>
<td>Office Hour Rooms - Level 1</td>
<td>Small meeting space remodeled as showpiece for program using all environmental friendly materials. Small table, 3-4 seats, shelves, etc.</td>
<td>1 (118 SF)</td>
<td>4-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Director's Office (150A)</td>
<td>Medium size directors office, desk, seating for 3, file storage, shelves, etc.</td>
<td>1 (144 SF)</td>
<td>1 plus 3-4 visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjunct Faculty Office (152A)</td>
<td>Small office for multiple (2) TA's and 1 adjunct Faculty, fixed as student work space, 3 tables and chairs, 1 computer station, file storage, etc.</td>
<td>1 (125 SF)</td>
<td>3-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA/Adjunct Faculty Office</td>
<td>Small private office for assistant director and student advisor, no glass in door, seating for 2-3</td>
<td>1 (109 SF)</td>
<td>1 plus 1-2 visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty Office</td>
<td>Small private office, desk and 1 chair, no extra chairs, no reception area.</td>
<td>1 (179 SF)</td>
<td>1 plus 1 visitor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visiting Scholar Office</td>
<td>Small private office, desk and 1 chair, no extra chairs.</td>
<td>1 (179 SF)</td>
<td>1 plus 1 visitor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unused Office</td>
<td>Small private office, desk and 1 chair, currently unused because the office is assigned to the Program.</td>
<td>1 (180 SF)</td>
<td>1 plus 1 visitor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom Space</td>
<td>The need for classroom lecture space that can accommodate 50-100 occupants is growing.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>100</td>
<td>1</td>
</tr>
<tr>
<td>Conference Room</td>
<td>There is currently no conference space dedicated to the Program, however, the need exists.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>40</td>
<td>1</td>
</tr>
</tbody>
</table>

Summary of Spaces

The request is for additional Economics Department controlled seminar space for scheduling some of their PhD classes and also to take some of the seminar/meeting load off of the Roane Room library (OSH 314) which is in tremendous demand and for which the Department frequently runs into scheduling conflicts.

Space Planning asks if ESS needs to be located in OSH and if an alternative Central Campus site could be found, would that work? Based on discussion with ESS this seems like a feasible suggestion.

Space Planning needs to locate the Central Campus site for ESS in 4 years. Based on discussion with ESS this seems like a feasible suggestion.
<table>
<thead>
<tr>
<th>Space Name/Type</th>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative Support Spaces - Office Admin Staff (252)</td>
<td>Large Open Office Space no Desks. Seating for 3-4. Could now have reception desk added.</td>
<td>1 (280 SF)</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Kitchen/ Break Room (207B)</td>
<td>Kitchen with upper and lower cabinets, countertop, microwave, and mini fridge. Seating for 2-3.</td>
<td>1 (130 SF)</td>
<td>4-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Lounge (205A)</td>
<td>Open room used for break room, great student meeting spaces, office projection storage, etc. Small fridge, microwave, small table, etc.</td>
<td>1 (115 SF)</td>
<td>4-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Conference (204)</td>
<td>Long, narrow room, plased together (4) 24&quot; x 14' tables for conference table and seating for 7-8.</td>
<td>1 (260 SF)</td>
<td>10-12</td>
<td>2-3-150-250 SF</td>
<td>6-8</td>
<td>3-4</td>
<td>1-2-150-250 SF</td>
<td>6-8</td>
<td>4-6</td>
</tr>
<tr>
<td>Admin - Department Chair Office (156C)</td>
<td>Large private office for department chair. Desk, small table, seating for 4.</td>
<td>1 (208 SF)</td>
<td>5-6</td>
<td></td>
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</tr>
<tr>
<td>Admin - Chief Admin office (202A)</td>
<td>Small private office directly adjacent to reception area.</td>
<td>1 (85 SF)</td>
<td>1 plus 2 Visitors</td>
<td></td>
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</tr>
<tr>
<td>Admin - Copy Room (205E)</td>
<td>Large open space with copy machine, file storage, bookshelves, etc. Faculty Mail Slots.</td>
<td>1 (166 SF)</td>
<td>4-6</td>
<td></td>
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</tr>
<tr>
<td>Admin - Advisor's Office - UnderGrad Advisor (205G)</td>
<td>Small private office with seating for 1-2. Located adjacent to reception areas with seating areas.</td>
<td>1 (88 SF)</td>
<td>1 Plus 2 Visitors</td>
<td></td>
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</tr>
<tr>
<td>Admin - Advisor's Office - UnderGrad Peer Advisor (205C)</td>
<td>Small private office with desk, computer and seating for up to 3, adjacent to reception areas.</td>
<td>1 (78 SF)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Admin - Advisor's Office - Graduate Advisor (205O)</td>
<td>Small private office with seating for 1-2, located adjacent to reception with seating areas.</td>
<td>1 (88 SF)</td>
<td>1 Plus 2 Visitors</td>
<td></td>
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</tr>
<tr>
<td>Admin - Advisor's Office - Director Graduate studies (205B)</td>
<td>Small private office with seating for 1-2, located adjacent to reception with seating areas.</td>
<td>1 (118 SF)</td>
<td>2 Plus 2 Visitors</td>
<td></td>
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</tr>
<tr>
<td>Faculty Offices - Full Time (255A, 158A, 159A, 210A, 210B, 210C, 210D, 260C, 302, 304, 310, 311, 317, 319, 323, 324, 325, 326, 328, 330, 332 (FAC Faculty Office))</td>
<td>Small private offices, ofice desks and seating for 3-4. Office desks and seating for 3-4.</td>
<td>28 (90-120 SF)</td>
<td>1 plus 2 Visitors</td>
<td>6-8-120 SF</td>
<td>1 plus 2 visitors</td>
<td>36-36</td>
<td>1-2 (120 SF)</td>
<td>1 plus 2 Visitors</td>
<td>38</td>
</tr>
<tr>
<td>Graduate Student Offices (156C, 210A &amp; 313)</td>
<td>Small private offices, desks and seating for 3, room 313 is smaller 32 SF.</td>
<td>3 (122 SF)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Graduate Student Lounge/ Meeting Room</td>
<td>Informal gathering/meeting space for Political Science Graduate Students. Should have modest kitchen/office.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>10-12</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA Offices (156D)</td>
<td>Small private office. Small work spaces, file storage, etc. Small private office.</td>
<td>1 (116 SF)</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>Meeting Room (205B)</td>
<td>Large, open meeting room, U shaped arrangement of tables, seating for approx 35. Projector. Excellent whiteboard. This space is used for Political Science Faculty Meetings and Seminars, NBA evening classes, meetings and seminars.</td>
<td>1 (687 SF)</td>
<td>30-35</td>
<td>1 (700 SF)</td>
<td>35-40</td>
<td>2</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
### Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Departmental Program Requirements</strong></td>
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<tr>
<td><strong>Space Planning / Departmental Notes</strong></td>
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</tr>
<tr>
<td><strong>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</strong></td>
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<tr>
<td><strong>Future Projected Space Needs (4+ Years)</strong></td>
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<tr>
<td><strong>Current Space Allocation</strong></td>
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<tr>
<td><strong>Immediate Space Needs (1-3 Years)</strong></td>
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<tr>
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<tr>
<td><strong>Recommendations</strong></td>
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<tr>
<td><strong>Space Planning</strong></td>
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</tr>
</tbody>
</table>

**Space Name/Space**

- **CFA Space**
- **CPPA Space**
- **MPP Space**
- **MIAGE Space**

**Description**

- Small Break room, upper and lower cabinets, counter, flat screen TV, microwave, copy machine, etc.
- Medium size director's office.
- Small private offices, 210E, 212D, 212E, 212F, 212J (Room 210E is 133 SF).
- Small private offices.
- Small open space with 3 Work Stations.
- Multiple work stations in open work environment.
- Large open classroom/meeting space, big tables, arranged for seating for 22, bookshelves, projection equipment - Need additional power.
- Unused office on 3rd floor for storage purposes.
- Faculty/Staff meeting space.
- Shared office on 3rd floor for storage purposes.
- Shared office for program advisor.
- Small private office for program manager.
- Small private office for program manager.
- MPP does not have dedicated meeting space but it is needed.
- MIAGE does not have dedicated meeting space but it is needed.
- Shared Student Project Space.

**Summary of Spaces**

9 of 24
### Summary of Spaces - Existing & Proposed

<table>
<thead>
<tr>
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<th># Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPA Program Manager (214A) (CPPA space)</td>
<td>1 (158 SF)</td>
<td>1 plus 2 visitor</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MPA Admin Assistant (214)</td>
<td>1 (219 SF)</td>
<td>5-6</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Advisor's office (213A) (CPPA space)</td>
<td>1 (88 SF)</td>
<td>1 plus 1 visitor</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MPA Program Director (212M) (CPPA space)</td>
<td>1 (103 SF)</td>
<td>1 plus 3 visitor</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MPA Office (30B)</td>
<td>1 (100 SF)</td>
<td>1 plus 2 visitor</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MPA Graduate Assistant Shared Office</td>
<td>D</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>D</td>
<td>34</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>Small Meeting Space</td>
<td>D</td>
<td>0</td>
<td>1 (100 SF)</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin / copy/break room for MPA</td>
<td>D</td>
<td>0</td>
<td>1 (100 SF)</td>
<td>3-4</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPA meeting space</td>
<td>D</td>
<td>0</td>
<td>1</td>
<td>30</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Space Planning / Departmental Notes**

- Space Planning requests justification for this need.
- Space Planning requests justification for this need.
- Space Planning requests justification for this need.

---

**Note:** All existing spaces occupied by MPA (listed below) belong to CPPA, except for room 30B, which is an MPA space. These spaces need to be vacated to accommodate CPPA space needs. MPA is independent of the Political Science Department and CPPA and needs its own space. This space planning effort focuses on meeting the needs of MPA and ensuring that all future space needs are met.

**Future Projected Space Needs (4+ Years):**

- MPA does not have dedicated meeting space but it is needed.

**Adjacencies:**

- MPA Program Manager (214A)
- MPA Admin Assistant (214)
- Advisor's office (213A)
- MPA Program Director (212M)
- MPA Office (30B)
- MPA Graduate Assistant Shared Office
- Small Meeting Space
- Admin / copy/break room for MPA
- MPA meeting space

---

**Space Name/Space Use:**

- College of Social and Behavioral Sciences
- Future Projected Space Needs (4+ Years)
<table>
<thead>
<tr>
<th>Space Name/Space</th>
<th>Description</th>
<th># Rooms</th>
<th>#Occ/Rm</th>
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<th>#Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Support Spaces - Office Admin Staff (102)</td>
<td>Large open office space with 2 desks, file storage, cabinets, countertops, seating, etc.</td>
<td>1</td>
<td>1 (458 SF)</td>
<td>4-5</td>
<td>1 (458 SF)</td>
<td>4-5</td>
<td>1 (458 SF)</td>
<td>4-5</td>
<td>1 (458 SF)</td>
</tr>
<tr>
<td>Admin - Individual Office (102A)</td>
<td>Private office for Admin Employee.</td>
<td>1</td>
<td>1 (153 SF)</td>
<td>1</td>
<td>1 (153 SF)</td>
<td>1</td>
<td>1 (153 SF)</td>
<td>1</td>
<td>1 (153 SF)</td>
</tr>
<tr>
<td>Admin - Academic Advisor (102C)</td>
<td>Rm used for Advisor, entry through small meeting room. Update per University Standards for Academic Advisor offices.</td>
<td>1</td>
<td>1 (320 SF)</td>
<td>1 plus 3-5 visitors</td>
<td>1 (320 SF)</td>
<td>1 plus 3-5 visitors</td>
<td>1 (320 SF)</td>
<td>1 plus 3-5 visitors</td>
<td>1 (320 SF)</td>
</tr>
<tr>
<td>Department Chair Office (106)</td>
<td>Large private office for Department Chair. Large desk, 2 side desks, chairs, bookshelves, etc.</td>
<td>1</td>
<td>1 (134 SF)</td>
<td>1 plus 2 visitors</td>
<td>1 (134 SF)</td>
<td>1 plus 2 visitors</td>
<td>1 (134 SF)</td>
<td>1 plus 2 visitors</td>
<td>1 (134 SF)</td>
</tr>
<tr>
<td>Admin - Small Meeting (102B)</td>
<td>Office for 6-5 people. File storage and bookshelves.</td>
<td>1</td>
<td>1 (198 SF)</td>
<td>6-6</td>
<td>1 (198 SF)</td>
<td>6-6</td>
<td>1 (198 SF)</td>
<td>6-6</td>
<td>1 (198 SF)</td>
</tr>
<tr>
<td>Admin - Conference/Meeting (102M)</td>
<td>Conference room for up to 15 people.</td>
<td>1</td>
<td>1 (363 SF)</td>
<td>12-15</td>
<td>1 (363 SF)</td>
<td>12-15</td>
<td>1 (363 SF)</td>
<td>12-15</td>
<td>1 (363 SF)</td>
</tr>
<tr>
<td>Admin - Copy/Work Room (102C)</td>
<td>Room for copy machines, fax, printers, supplies.</td>
<td>1</td>
<td>1 (73 SF)</td>
<td>2</td>
<td>1 (73 SF)</td>
<td>2</td>
<td>1 (73 SF)</td>
<td>2</td>
<td>1 (73 SF)</td>
</tr>
<tr>
<td>Admin - Storage/Room (102A)</td>
<td>Storage room with fridge.</td>
<td>1</td>
<td>1 (103 SF)</td>
<td>1</td>
<td>1 (103 SF)</td>
<td>1</td>
<td>1 (103 SF)</td>
<td>1</td>
<td>1 (103 SF)</td>
</tr>
<tr>
<td>Admin - Storage/Room (105)</td>
<td>Storage room for supplies, large enough to be a small office.</td>
<td>1</td>
<td>1 (88 SF)</td>
<td>1</td>
<td>1 (88 SF)</td>
<td>1</td>
<td>1 (88 SF)</td>
<td>1</td>
<td>1 (88 SF)</td>
</tr>
<tr>
<td>Admin - Storage/Room (102E)</td>
<td>Former Museum Storage room. Large amount of space which should be turned over to Anthropology. Currently no key to space.</td>
<td>1</td>
<td>1 (579 SF)</td>
<td>1</td>
<td>1 (579 SF)</td>
<td>1</td>
<td>1 (579 SF)</td>
<td>1</td>
<td>1 (579 SF)</td>
</tr>
<tr>
<td>Library (106)</td>
<td>Open room with bookshelves at perimeter, 1 large work table and 2 small tables, chairs, couch, etc. Dated furniture, shelves, lighting. AC unit in window.</td>
<td>1</td>
<td>1 (430 SF)</td>
<td>15-20</td>
<td>1 (430 SF)</td>
<td>15-20</td>
<td>1 (430 SF)</td>
<td>15-20</td>
<td>1 (430 SF)</td>
</tr>
<tr>
<td>Break Room/Kitchen Area (102A)</td>
<td>Completely nonfunctioning kitchen space. Tiled to be tiled or converted to storage room. Cabinets, counter, sink, faucet, etc. all need to be updated.</td>
<td>1</td>
<td>1 (70 SF)</td>
<td>2.3</td>
<td>1 (70 SF)</td>
<td>2.3</td>
<td>1 (70 SF)</td>
<td>2.3</td>
<td>1 (70 SF)</td>
</tr>
<tr>
<td>Faculty Offices - Full Time - lodge (107, 117, 118A, 202, 204, 205A, 213, 213N, 217, 219)</td>
<td>Large private offices for Faculty, Seating for guests.</td>
<td>1</td>
<td>1 (215 SF)</td>
<td>1 plus 3-5 visitors</td>
<td>1 plus 3-5 visitors</td>
<td>1 plus 3-5 visitors</td>
<td>1 plus 3-5 visitors</td>
<td>1 plus 3-5 visitors</td>
<td>1 plus 3-5 visitors</td>
</tr>
<tr>
<td>Faculty Offices - Full Time - Small (117A, 118, 213A, 213B, 213E, 213F, 217A, 217B, 218A, 218B)</td>
<td>Small private offices for Faculty. Seating for guests.</td>
<td>1</td>
<td>1 (165 SF)</td>
<td>1 plus 2 visitors</td>
<td>1 (165 SF)</td>
<td>1 plus 2 visitors</td>
<td>1 (165 SF)</td>
<td>1 plus 2 visitors</td>
<td>1 (165 SF)</td>
</tr>
<tr>
<td>Faculty Offices - Full Time with Grad Students (121)</td>
<td>Small private office for Faculty and 2 graduate students.</td>
<td>1</td>
<td>1 (320 SF)</td>
<td>3 plus 2-6 visitors</td>
<td>1 (320 SF)</td>
<td>3 plus 2-6 visitors</td>
<td>1 (320 SF)</td>
<td>3 plus 2-6 visitors</td>
<td>1 (320 SF)</td>
</tr>
<tr>
<td>Faculty Offices - Adjunct/Visiting/Emeritus (101, 103B)</td>
<td>Small private offices for Faculty, Seating for guests (1 office has 3 adjunct Faculty - Rm 101).</td>
<td>1</td>
<td>1 (150 SF)</td>
<td>1-3 plus 1-2 visitors</td>
<td>1 (150 SF)</td>
<td>1-3 plus 1-2 visitors</td>
<td>1 (150 SF)</td>
<td>1-3 plus 1-2 visitors</td>
<td>1 (150 SF)</td>
</tr>
</tbody>
</table>
### Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Space Name/Type/Use</th>
<th>Description</th>
<th>Current Space Allocation</th>
<th>Immediate Space Needs (1-3 Years)</th>
<th>Future Projected Space Needs (4+ Years)</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Offices - Private (114B, 115, 115A, 117, 203, 206, 213D, 213K, 213L)</td>
<td>Small private offices for grad students.</td>
<td>6 (approx 130 SF) poses from 1-4</td>
<td>2 (approx 130 SF) 1</td>
<td>1 (approx 130 SF)</td>
<td>1</td>
<td>1 (approx 130 SF) 1</td>
</tr>
<tr>
<td>Student Offices - Open Stations (207)</td>
<td>Large open office for grad students, multiple workstations, lounge seating, storage, etc.</td>
<td>1 (361 SF)</td>
<td>10 workstations</td>
<td>1 (approx 130 SF)</td>
<td>1</td>
<td>1 (approx 130 SF) 1</td>
</tr>
<tr>
<td>Archæological Center (117)</td>
<td>Large open Entry/Reception/Lounge for Archæological program.</td>
<td>1 (385 SF)</td>
<td>6-10</td>
<td>1 (approx 130 SF)</td>
<td>1</td>
<td>1 (approx 130 SF) 1</td>
</tr>
<tr>
<td>Student Sandbox Lab (118)</td>
<td>Used former computer lab, currently used as storage for large furniture and equipment, scheduled to be remodeled as large training/seminar space mimicking a dig site (scheduled completion was May 2013).</td>
<td>1 (377 SF)</td>
<td>10</td>
<td>1 (approx 130 SF)</td>
<td>1</td>
<td>1 (approx 130 SF) 1</td>
</tr>
<tr>
<td>Computer Room (118A)</td>
<td>The space is currently being remodeled with lab 118 and will be part of the lab and (11) office.</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab - Archæological Lab (112)</td>
<td>Large open space with multiple large tables for dry research and layout of materials. Tall storage racks, chemicals, equipment, microscopes, file-cab, roll-up door entry from Archæological Center, etc.</td>
<td>1 (1253 SF)</td>
<td>35-40</td>
<td>1 (approx 300 SF)</td>
<td>1</td>
<td>1 (approx 300 SF) 1</td>
</tr>
<tr>
<td>Lab - Zoological Lab (114 &amp; 114A)</td>
<td>Recently remodeled, large open space, large tables with seating for 24, stainless counters and 3 sinks, nontoxic chemical fume hood, storage space, etc. Adjacent lab (114A) holds flesh-eating beetles.</td>
<td>1 (614 SF)</td>
<td>25-30</td>
<td>1 (approx 300 SF)</td>
<td>1</td>
<td>1 (approx 300 SF) 1</td>
</tr>
<tr>
<td>Lab - Stable Isotope (111)</td>
<td>Currently being finished out into new lab space as part of suite containing office, graduate student space and artifact storage.</td>
<td>1 (approx 300 SF)</td>
<td>6-10</td>
<td>1 (approx 300 SF)</td>
<td>1</td>
<td>1 (approx 300 SF) 1</td>
</tr>
<tr>
<td>Lab - Post Processing (210A)</td>
<td>Large open lab with multiple pieces of large and small equipment. Fume hood, cabinets, counter and sink, cold storage, fume hood booth, AC unit in window, unplanned building equipment left over, unclear water separating space from adjacent room, etc. The space is scheduled for remodel in Spring/Summer 2013.</td>
<td>1 (480 SF)</td>
<td>6-10</td>
<td>1 (approx 300 SF)</td>
<td>1</td>
<td>1 (approx 300 SF) 1</td>
</tr>
<tr>
<td>Lab - Osteology Teaching Lab (209)</td>
<td>Large, recently remodeled space, storage cabinets for skeletons, etc. New fluorescent lighting, dropped ceiling, projection system, etc. This is a controlled room for security of valuable collections.</td>
<td>1 (868 SF)</td>
<td>20-25</td>
<td>1</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>Lab - DNA Clean Lab (207A)</td>
<td>Unable to enter due to extreme sensitivity to extraneous DNA. Anthropology claims the space is functioning exactly as they would like it.</td>
<td>1 (240 SF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Student Shared Office (210 &amp; 218)</td>
<td>To be remodeled Spring/Summer 2013 if funding is available.</td>
<td>2 (605-620 SF)</td>
<td></td>
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<tr>
<td>Space Name/Type</td>
<td>Description</td>
<td>Current Space Allocation</td>
<td>Immediate Space Needs (1-3 Years)</td>
<td>Future Projected Space Needs (4+ Years)</td>
<td>Recommendations</td>
<td>Space Planning / Departmental Notes</td>
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<tr>
<td>Wood Shop (015)</td>
<td>Wood shop - not used often - more than half is used for storage.</td>
<td>1 (433 SF)</td>
<td>5-4</td>
<td></td>
<td>Install ventilation system - Conduct well to make a dedicated storage room separate from the wood shop.</td>
<td>Wood shop could be 1/3 of the existing space. Needs ventilation system if continued use as a wood shop is anticipated.</td>
</tr>
<tr>
<td>Storage (014)</td>
<td>Departmental storage of excess furniture and equipment</td>
<td>1 (306 SF)</td>
<td></td>
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</tr>
<tr>
<td>Virtual Reality Research Lab (017 &amp; 018)</td>
<td>Reconfiguration of Thompson lab - Large lab at basement level, recently remodeled with specialty equipment. Adjacent ante chamber (17 - 1029SF) for controls and storage.</td>
<td>1 (877 SF)</td>
<td>1-4 studied at a time</td>
<td></td>
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</tr>
<tr>
<td>Storage Closet (027, 027A)</td>
<td>Departmental storage of records and supplies.</td>
<td>2 (80 SF EA)</td>
<td></td>
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</tr>
<tr>
<td>Research Lab (408)</td>
<td>D. Rudd Research Lab</td>
<td>1 (124 SF)</td>
<td></td>
<td></td>
<td>Suggest assigning to Craig Brain for use as research space as he does not currently have research space.</td>
<td></td>
</tr>
<tr>
<td>Research Lab (409)</td>
<td>C. Berg lab - used for research related data storage</td>
<td>1 (160 SF)</td>
<td>1 Room 901 is used by a lab assistant; 922 is TA office.</td>
<td>This space is currently shared and is used 40-hours/week. If building a new space for VR lab due to seismic retrofit, users would want it to be similar but larger. The existing space works well for their needs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad Student Computer Lab (407)</td>
<td>Large open computer lab, 5 deals with computers.</td>
<td>1 (323 SF)</td>
<td>5-7</td>
<td></td>
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</tr>
<tr>
<td>Grad Student Private Office (408, 901, 902, 903, 904, 905, 906, 907, 908, 919, 920, 921, 922, 923, 924, 1104, 1105, 1106, 1107)</td>
<td>17 (110 SF EA)</td>
<td>2</td>
<td>Room 901 is used by a lab assistant; 922 is TA office.</td>
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<tr>
<td>Grad Student Shared Office (437, 512, 513)</td>
<td></td>
<td></td>
<td></td>
<td>Suggest remodeling/converting space to a shared research space with computers or a conference room with projection capability.</td>
<td>Note that room 437 is very large and could be converted to a shared lab or conference room if the three grad students can be relocated to 511. Note that it is sometimes used by undergraduates for coding and entering data when 1405 is busy so converting to a shared research space with computers would allow the space to continue to function for this purpose and to meet other needs for shared computing space.</td>
<td></td>
</tr>
<tr>
<td>Grad Student Shared Office (514, 515, 521, 522, 523, 524, 611, 618, 620, 621, 630, 631, 632, 633, 634, 617, 618, 619)</td>
<td>Shared by (3) graduate students</td>
<td>3 (130-520 SF EA)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Grad Student Shared Office (637, 512, 513)</td>
<td>Shared by (2) graduate students</td>
<td>3 (130-200 SF EA)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grad Student Private Office (408, 901, 902, 903, 904, 905, 906, 907, 908, 919, 920, 921, 922, 923, 924, 1104, 1105, 1106, 1107)</td>
<td></td>
<td></td>
<td></td>
<td>Suggest remodeling/converting space to a shared research space with computers or a conference room with projection capability.</td>
<td>Note that room 437 is very large and could be converted to a shared lab or conference room if the three grad students can be relocated to 511. Note that it is sometimes used by undergraduates for coding and entering data when 1405 is busy so converting to a shared research space with computers would allow the space to continue to function for this purpose and to meet other needs for shared computing space.</td>
<td></td>
</tr>
<tr>
<td>Dept. Office - Large open office with 2 work stations and counters, no seating for visitors.</td>
<td>1 (260 SF)</td>
<td>6-8</td>
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<tr>
<td>Dept. Office - Staff</td>
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<tr>
<td>Department Chair Office (504)</td>
<td>Large private office for Department Chair. Desk, small conference table, seating for 6.</td>
<td>1 (189 SF)</td>
<td>5-6</td>
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</tr>
<tr>
<td>Admin - Copy/Room (505)</td>
<td>Large, open areas with 2 full size refrigerators, microwave, 2 large copyers, printer file storage, etc.</td>
<td>1 (203 SF)</td>
<td>8-10</td>
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</tbody>
</table>
### Summary of Spaces

#### Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Space Name/Type/Area</th>
<th>Description</th>
<th>Current Space Allocation</th>
<th>Immediate Space Needs (1-3 Years)</th>
<th>Future Projected Space Needs (4+ Years)</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Lab (406 &amp; 504A)</td>
<td>A Brain Research Lab &amp; Observation/Data Processing Rooms. Medium lab (504A) recently remodeled with specialty equipment, couch, 3 sofas, TV, 4 video cameras, 3 microscopes for collecting behavioral data from couples and families connected to 504A with 2-way mirror. Adjacent observation (Rm. 506 - 1429) for controls, data collection and analysis.</td>
<td>2</td>
<td>4 rooms</td>
<td>Room 506A needs better soundproofing for upcoming data analysis. The lab will be reserved for 4 new faculty hires after Fogel vacates in May 2013.</td>
<td>Suggest remodeling these two rooms to create a small shared meeting or data collection space. Needs better sound-proofing.</td>
<td>Room 506A will become available June 2013. Room 506D and 506E are currently unassigned. 602 is the Clinical Psych observation/clinician. It is a large open office with webcam and seating for 2 and sliding glass door to access room.</td>
</tr>
<tr>
<td>Undergraduate Advising Office (507)</td>
<td>Small office with seating for 1-2. Located near reception area. No waiting area.</td>
<td>1 (121 SF)</td>
<td>3 rooms</td>
<td>1 plus 2 visitors</td>
<td>Suggest adding soundproofing to all faculty offices and making HVAC adjustments as possible to help with heating/cooling/ventilating issues.</td>
<td>Room 510 is used by a post-doc; room 607, 906, 1102, 1301 are Adjunct Faculty Offices. 1302 is D. Jacobsen's office. 1303 is office of T. Rescorla. 1304 is office of F. Forsberg.</td>
</tr>
<tr>
<td>Staff Office (510, 511, 519, 523, 820, 1301)</td>
<td></td>
<td>1 (160 SF)</td>
<td>3 rooms</td>
<td>1 plus 2 visitors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Closet (513)</td>
<td>Office Supply Closet</td>
<td>1 (76 SF)</td>
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</tr>
<tr>
<td>Research Lab (516, 517, 518, 521, 524, 527)</td>
<td>C. Berg Research Lab - 516 &amp; 517 are used for data collection; 518 is used by the Study Coordinator for the Rao Study; 521 &amp; 527 are observation rooms and 527 has videoencoding capability with an attached 500V Control Room; 524 is used for data analysis (4 computer stations).</td>
<td>4 (100-200 SF EA)</td>
<td>1 room</td>
<td>1 plus 2 visitors</td>
<td>Suggest implementing a schedule for this space so it can be scheduled for use by others when not in use by C. Berg.</td>
<td>Room 516 is used for overflow so it may be able to be shared if held by another. Berg noted that future Paradoxers will engage in e-health technology involving cell phone data collection. This means that less data collection will occur in the Psych Dept.</td>
</tr>
<tr>
<td>Staff Lounge (522)</td>
<td></td>
<td>1 (110 SF)</td>
<td></td>
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</tr>
<tr>
<td>Faculty Office (601, 602, 603, 607, 620, 623, 624, 634, 710, 712d, 714, 804, 805, 806, 808, 811, 813, 1002, 1003, 1004, 1006, 1011, 1022, 1034, 1102, 1204, 1301, 1302, 1303, 1304, 1306, 1307, 1308, 1309, 1310, 1312, 1320A, 1320B, 1322)</td>
<td>Small conference/seminar space with conference table seating for 8-10, lower cabinets, counter, sink, mini fridge, microwave, shelving, etc. Used for meetings and seminars.</td>
<td>38 (100-200 SF EA)</td>
<td>1 room</td>
<td>1 plus 2 visitors</td>
<td>Suggest adding soundproofing to all faculty offices and making HVAC adjustments as possible to help with heating/cooling/ventilating issues.</td>
<td>Room 602 &amp; 603 will become available June 2013. Room 634 is used by a post-doc; room 712d is Emeritus Faculty. 804, 805, 1102, 1320B are Adjunct Faculty Offices. 1322 &amp; 1324 are future office.</td>
</tr>
<tr>
<td>Small Conference Room (604)</td>
<td></td>
<td>1 (225 SF)</td>
<td>8-10 rooms</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Research Lab (608)</td>
<td>Available for new faculty hire - Fogel vacating June 2013. Has 2-way mirror with 810.</td>
<td>1 (160 SF)</td>
<td></td>
<td></td>
<td>Suggest combining/rewiring these two rooms as new shared meeting or data collection space. Needs better sound-proofing.</td>
<td>This lab will be reserved for a new faculty hire after Fogel vacates in May 2013.</td>
</tr>
<tr>
<td>Research Lab (612)</td>
<td>For new faculty hire - currently unassigned. Has 2-way mirror with 628.</td>
<td>1 (187 SF)</td>
<td></td>
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</tr>
<tr>
<td>Research Lab (613)</td>
<td>Cream-Regehr Lab - room used for minor box experiment</td>
<td>1 (91 SF)</td>
<td>1 room</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Labs (614, 616)</td>
<td>Smith/Elton lab (will open up 7/2013)</td>
<td>2 (120 SF EA)</td>
<td></td>
<td></td>
<td>Suggest combining these two spaces to create a small shared meeting space or data entry space.</td>
<td>These labs will become available 7/2013</td>
</tr>
<tr>
<td>Lab Storage (620)</td>
<td>Housworth / Welbank Labs</td>
<td>1 (100 SF)</td>
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</tbody>
</table>
### Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Space Name/Space</th>
<th>Description</th>
<th># Rooms</th>
<th># New/Loc</th>
<th># New</th>
<th># New</th>
<th># Total</th>
<th># New</th>
<th># Total</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Lab (625)</td>
<td>Pasupathi / Wainryb Lab (meeting, waiting, questionnaire admin.)</td>
<td>1</td>
<td>(125 SF)</td>
<td>2-4</td>
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<tr>
<td>Research Lab (625, 625A)</td>
<td>Pasupathi / Wainryb Lab</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>Research Lab (627 &amp; 627A)</td>
<td>Pasupathi / Wainryb Lab</td>
<td>2</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td>Need better acoustics at video observation room.</td>
<td></td>
</tr>
<tr>
<td>Research Lab (628, 629)</td>
<td>Wainryb / Pasupathi Lab (Small interview room / data collection)</td>
<td>2</td>
<td>(105 SF EA)</td>
<td>2-3</td>
<td></td>
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</tr>
<tr>
<td>Shared Lab Space (703)</td>
<td>This is a shared lab space (wash room, blood processing) with sink. Shared by M. Eulard, B. Uchino, Tim Smith.</td>
<td>1</td>
<td>(105 SF)</td>
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<tr>
<td>Research Lab (705, 705A)</td>
<td>M. Euler Lab used for data analysis and neuropsychological testing. 705A is EEG data collection room.</td>
<td>2</td>
<td>(125 SF EA)</td>
<td>3-4</td>
<td></td>
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<td></td>
<td>Suggest moving EEG into 705 and use 705A as separate testing room with observation window into 705. Produce a new space with 3 workstations for data analysis.</td>
<td></td>
</tr>
<tr>
<td>Research Lab (705A)</td>
<td>Smith/Uchino Lab 3</td>
<td>2-3</td>
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</tr>
<tr>
<td>Research Lab (705, 705A, 705B)</td>
<td>Bert Uchino Lab shared with Tim Smith</td>
<td>3</td>
<td>2-3</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Shared Research Lab (705)</td>
<td>Smith/Uchino Lab</td>
<td>1</td>
<td>(125 SF)</td>
<td>1-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Used for research, monitoring psychophysiological measures, videotaping, questionnaires, data processing, etc.</td>
<td></td>
</tr>
<tr>
<td>Shared Research Lab (705, 705A)</td>
<td>Smith/Uchino Lab</td>
<td>2</td>
<td></td>
<td>1</td>
<td>5</td>
<td></td>
<td>5</td>
<td>Used by 50% to do dyadic work.</td>
<td></td>
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</tr>
<tr>
<td>Research Lab (711)</td>
<td>Cwyn-Rogis/Mettenius/C. Shared Lab (Lages)</td>
<td>1</td>
<td>(132 SF)</td>
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<tr>
<td>Large Conference Room (712)</td>
<td>Large Departmental Conference Room - 802SF with attached storage rooms (712A, 712B, 712C)</td>
<td>1</td>
<td>(804 SF)</td>
<td>55-60</td>
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</tr>
<tr>
<td>Research Lab (712A)</td>
<td>Keel Lab - File Room, RA workstation</td>
<td>1</td>
<td>(825 SF)</td>
<td>1</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Research Lab (715, 716, 717)</td>
<td>P. Keel Lab (715 is the research interview room, client meeting room, RA workspace; 716 is the RA workspace, video control room; 717 is the family observation room, RA workspace, client meeting room, classroom.)</td>
<td>3</td>
<td>715: 2-4; 716: 3; 717: 3-4 up to 16</td>
<td>2</td>
<td>(one RA space, one waiting space)</td>
<td>3-4</td>
<td>5</td>
<td>1 RA space</td>
<td>2-6</td>
<td></td>
</tr>
<tr>
<td>Medium Conference Room (801, 1334)</td>
<td>Medium Size Conference/Seminar Room with conference table and seating for 16-20</td>
<td>2</td>
<td></td>
<td>18-20</td>
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</table>

**Recommendations:**

- 703 is in use daily. 629 is in use 1-2 times per week. This will increase in Spring 2013 to daily use by 2-3 people.
- 705 is used 3-4 days per week. 705A is used 3-4 days per week. An additional room is needed for dyadic testing. Future paradigm may require a large EEG suite to house transcranial magnetic stimulation to EEG research. This is something that the Dept. as a whole could potentially benefit from - a large Psychophysics Suite with several acoustically and electrically shielded chambers, small testing rooms, good sink and bathroom access, equipment storage.
- 715 needs 3-way mirror; 716 needs 3-way mirror; All need soundproofing. - Cannot be shared unless separate RA work areas is provided.

**Summary of Spaces:**

- **Departmental Program Requirements:**
  - 03.19
  - COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES
  - ajc architects
  - 15-Jul-13
  - Immediate Space Needs (1-3 Years)
  - Future Projected Space Needs (4+ Years)

**Summary:**

- 15 of 24
### Summary of Spaces - Existing and Proposed

**Space Name/Type/Use**

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</td>
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<tr>
<td>Future Projected Space Needs (4+ Years)</td>
<td>15-Jul-13</td>
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<tr>
<td>Immediate Space Needs (1-3 Years)</td>
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<td>Space Planning / Departmental Notes</td>
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</table>

**Research Lab (807)**

**Aspinwall, Sansone, White Lab (263 SF)**

Remodel this space to provide seating for 8-10 research participants and one experimenter or meeting space with projected screen for use by small working groups and student thesis meetings. Needs improved soundproofing, better lighting, and adequate storage. Could also be a scheduled group research/focus group space or shared computer lab to run experiments on up to 8-10 computer workstations.

**Research Lab (807b)**

**White Lab (295 SF)**

Could share if redesigned. Need a control room to prep and process biological samples. Better lighting and temperature control. Used daily 3-4 hours. Could be shared if redesigned for better HVAC & Lighting.

**Research Lab (808, 815 A & B)**

**Aspinwall, Sansone and White Lab (3-4)**

CanBe shared if redesign. Need a control room to prep materials and better lighting and temperature control.

**Research Lab (810 A & B)**

**Sanbonmatsu Lab (Used for studies of judgement and decision making)**

1-way mirror in 808 could be removed. 808 is already shared with other social area faculty. 815A & B used for running individual participants.

**Research Lab (811 A & C)**

**Sansone Lab (2150 SF EA)**

May need to be remodeled to clean-up with. Install soundproofing for use by others.

**Research Lab (811 B)**

**Butner Lab - space is used 2-3 times per week in spurts. May need everyday for 2-3 months, then used only once a week for another 3-months.**

1-2 daily. Suggest scheduling use of this lab so others (such as Craig Bryan) can schedule use when unoccupied.

**Research Lab (815 C, D, E)**

**Aspinwall Lab (105 SF EA)**

Install soundproofing. Provide room dividers for visual privacy between the four computer workstations.

**Common Room (815 F)**

Small break area with full-size fridge, microwave, limited storage and seating.

1-2 daily. Suggest scheduling use of this room so others can use when unoccupied.

**Research Lab (909, 911, 912, 913, 914)**

**Kesner Lab (Histology) 1 (400 SF)**

Transition this space to allow for a shared neuroscience lab space. Will need a number of individual testing rooms for EEG work and a central space for storage. Needs soundproofing for recording data, common sink for cleaning electrophoresis, seating room, room for setting up and processing data, storage for small freezer for storing biological samples (e.g., blood, saliva).

**Histology Lab (915)**

**Weiner Lab (Histology)**

1-2 daily. Suggest scheduling use of this room so others can use when unoccupied.

**Research Lab (918, 918A, 918B, 918C)**

**Sansone Lab (919 - four computer workstations for participants in research; 919A - central space for RA's, lab meetings and 2-computer workstations for RA's; 919A B & C - Space to run participants individually)**

4 participants, 1-2 RA's, 2 Grad Students

Provide soundproofing of each room.

**Research Lab (919 A, 919 B, 919 C)**

**Werner Lab 1 (136 SF)**

Fix heating issues. Werner suggests merging with White lab.

**Werner Lab 2 (220 SF)**

This space is currently used by grad and honors thesis student but could serve better as a faculty and lab group space if remodeled. Approach noted including need for space to hold focus groups.

**Butner Lab - space is used 2-3 times per week in spurts. May need everyday for 2-3 months, then used only once a week for another 3-months.**

1-2 daily. Suggest scheduling use of this lab so others (such as Craig Bryan) can schedule use when unoccupied.

**Kesner Lab (Histology) 1 (400 SF)**

Transition this space to allow for a shared neuroscience lab space. Will need a number of individual testing rooms for EEG work and a central space for storage. Needs soundproofing for recording data, common sink for cleaning electrophoresis, seating room, room for setting up and processing data, storage for small freezer for storing biological samples (e.g., blood, saliva).

This lab cannot be shared.
### Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Lab (917, 917A, 917B, 917C) Friedrich/Creem-Regehr Lab (917 has large table for small group meetings and 2 computer workstations; 917A, B &amp; C are single-computer experiment rooms.)</td>
<td>4</td>
<td>(52 SF)</td>
<td>1</td>
<td>(52 SF)</td>
<td>-</td>
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</tr>
<tr>
<td>Virtual Reality Lab Storage (918) Friedrich Lab Storage for Creem-Regehr lab.</td>
<td>1</td>
<td>(50 SF)</td>
<td>1</td>
<td>(50 SF)</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Small Conference Room (1001)</td>
<td>1</td>
<td>(100 SF)</td>
<td>1</td>
<td>(100 SF)</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Research Lab (C08, 1007, 1013, 1014, 1015, 1016) Cowell Lab</td>
<td>6</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Research Lab (C08, 1008, 1009, 1010, 1011, 1012) Crowell Lab</td>
<td>6</td>
<td>7-10</td>
<td>6</td>
<td>7-10</td>
<td>-</td>
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</tr>
<tr>
<td>Research Lab (1016, 1018) Werner Lab Wash Room</td>
<td>1</td>
<td>(125 SF)</td>
<td>1</td>
<td>(125 SF)</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Research Lab (1020, 1021, 1022, 1023, 1024, 1027) Cowell Lab</td>
<td>6</td>
<td>-</td>
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<tr>
<td>Research Lab Storage (1017) Werner Lab Wash Room</td>
<td>1</td>
<td>(50 SF)</td>
<td>1</td>
<td>(50 SF)</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Research Lab (C05, 1028, 1030) Beranucci Lab</td>
<td>3</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Shared Research Lab (1023) Creem-Regehr shared CNS research m/cs testing computer lab. Also used by Research.</td>
<td>1</td>
<td>(100 SF)</td>
<td>1</td>
<td>(100 SF)</td>
<td>-</td>
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<tr>
<td>Research Lab (101) Crowell Lab</td>
<td>1</td>
<td>1-2</td>
<td>1</td>
<td>1-2</td>
<td>-</td>
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<tr>
<td>Research Lab (1103) Williams Lab</td>
<td>1</td>
<td>(108 SF)</td>
<td>1</td>
<td>(108 SF)</td>
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<tr>
<td>Research Lab Assistant (1112) Robin Lab Research Assistant Office</td>
<td>1</td>
<td>(50 SF)</td>
<td>1</td>
<td>(50 SF)</td>
<td>-</td>
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</tbody>
</table>

**Recommendations for Space Planning / Departmental Notes**

- This is already shared space - could not be shared with additional faculty.
- Provide soundproofing and address heating/cooling issues suggested before scheduling of conference rooms to satisfy some of these needs. Psychophysiological research requires perfect sound and temperature control.
- Room has 6-computers but only 4 are functioning. Spring 2013 the room will be used 12-15 hours/week for NSF funded uncertainty experiment but it is scheduled for 40-hours per week.
- Suggest updating room scheduling as other researches use room for unoccupied 25-28 hours per week.
- Need at least one additional data collection room and space to care for participant’s children. In future will need confidential waiting rooms for individual large data processing room. Also, the Department lacks a clinical space for research and training and no nice larger conference room in the building is not available.
- Room is shared undergraduate and graduate RA workspace. Other spaces are used for controlling interviews. Sometimes the space is shared with Jeanine Beranucci and sometimes she uses Dave Shipley’s space due to not enough space for projects needs. Need at least one additional data collection room, and space to care for participants’ children. In future will need confidential waiting zones for individual large data processing room. Also, the Department lacks a clinical space for research and training and no nice larger conference room in the building is not available.
- Suggest updating room scheduling as other researches use room for unoccupied 25-28 hours per week.
- Room has 8-computers but only 6 are functioning. Spring 2013 the room will be used 12-16 hours/week for NSF funded uncertainty experiment but it is scheduled for 40-hours per week.
- Used to run studies by Crowell and Groom.

**Summary of Spaces**

<table>
<thead>
<tr>
<th>Department</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
<th># New Rooms</th>
<th>#Occ/Rm</th>
<th># Total Rooms</th>
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</thead>
<tbody>
<tr>
<td>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</td>
<td>17 of 24</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td>Space Name/Spaces</td>
<td>Description</td>
<td>Current Allocation</td>
<td>Immediate Needs (1-3 Years)</td>
<td>Future Projected Needs (4+ Years)</td>
<td>Recommendations</td>
<td>Space Planning / Departmental Notes</td>
<td></td>
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<tr>
<td>Research Lab</td>
<td>Unassigned</td>
<td>1 (170 SF)</td>
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<tr>
<td>Research Lab (1114, 1114A, 1114B)</td>
<td>Shoyer Lab ( Driving simulation)</td>
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<tr>
<td>Research Lab (1114B, C, D, E)</td>
<td>New Hire Research Space</td>
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<tr>
<td>Research Lab Shared Wash Room (1115)</td>
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<td>1 (60 SF)</td>
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<tr>
<td>Research Lab (1117, A, B, C, D, E, F)</td>
<td>Diamond Lab</td>
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<tr>
<td>Research Lab (1101, 1101A, B, C, D, E, F, 1118)</td>
<td>Monroe Lab</td>
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<tr>
<td>Research Lab (1119, A, B, C)</td>
<td>Suchy Lab</td>
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<tr>
<td>Shared Research Assessment Space (1322)</td>
<td></td>
<td>1 (130 SF)</td>
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<tr>
<td>Assessment Rooms (1324, 1325)</td>
<td>Course related assessment spaces</td>
<td>2 (50 SF EA)</td>
<td>2 (100 SF EA)</td>
<td>2 (100 SF EA)</td>
<td>Could be shared if scheduled and Straussberg maintains priority use.</td>
<td>Research lab connected by door and 2-way mirror. Works well for improvements needed.</td>
<td></td>
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</tr>
<tr>
<td>Research Lab (1328, 1328A)</td>
<td>Strauss Lab</td>
<td>2 (160 SF EA)</td>
<td>2 (160 SF EA)</td>
<td>2 (160 SF EA)</td>
<td>Could be shared if scheduled and Straussberg maintains priority use.</td>
<td>Research lab connected by door and 2-way mirror. Works well for improvements needed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Lab (1401A, B, C, D, E, F)</td>
<td></td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>Suggest implementing scheduling tools to allow other to use the space. If minor modifications are made to 1401B to allow cables to be run to 1401C control room, future paradigms may be able to be accommodated here.</td>
<td>Spaces could be shared when not in use. 1-801C not to be shared due to sensitive materials. Space currently meets the needs of use.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Lab (1405)</td>
<td></td>
<td>1 (215 SF)</td>
<td>1 (215 SF)</td>
<td>1 (215 SF)</td>
<td>Suggest expanding 14th floor to egress and redesign the lab to allow for multiple experiments of once or coding to happen separate from clinical activities. This would accommodate future studies.</td>
<td>Space does not allow for more than one experimental session at a time. Egress from 14th floor is an issue.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Closet (1404)</td>
<td></td>
<td>1 (28 SF)</td>
<td>1 (28 SF)</td>
<td>1 (28 SF)</td>
<td>Suggest expanding 14th floor to egress and redesign the lab to allow for multiple experiments of once or coding to happen separate from clinical activities. This would accommodate future studies.</td>
<td>Space does not allow for more than one experimental session at a time. Egress from 14th floor is an issue.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Space Name/Space</td>
<td>Description</td>
<td># Rooms</td>
<td># Occ/Rm</td>
<td># New Rooms</td>
<td># Occ/Rm</td>
<td># Total Rooms</td>
<td># New Rooms</td>
<td># Occ/Rm</td>
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</tr>
<tr>
<td>Sociology</td>
<td>Long, narrow space. Desks, file cabinets, shelves, copy machine.</td>
<td>1 (283 SF)</td>
<td>6-6</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Countertop with microwave and small fridge. Copy machine, computer and scanner. Mail boxes for Grad students. Seating for 2-3.</td>
<td>1 (156 SF)</td>
<td>5-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Conference (315)</td>
<td>Long, narrow room, large conference table, seating for 14 at table and an additional 18 at perimeter.</td>
<td>1 (295 SF)</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Admin - Chief Admin Office (301)</td>
<td>Private office for department chair. Desks, small conference table, seating for 6.</td>
<td>1 (208 SF)</td>
<td>6-7</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Admin - File Room (335)</td>
<td>Large private office for department chair. Desks, small conference table, seating for 4.</td>
<td>1 (147 SF)</td>
<td>1 plus 2 Visitors</td>
<td></td>
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</tr>
<tr>
<td>Admin - Advisor's Office (325)</td>
<td>Small private offices for staff.</td>
<td>1 (106 SF)</td>
<td>2-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Advisor waiting area (3009)</td>
<td>Small private offices with seating for 1-2. Located adjacent to lab with waiting areas.</td>
<td>1 (103 SF)</td>
<td>1 plus 2 Visitors</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Admin - Student Advisory Committee (325)</td>
<td>Side hallway used as Student Waiting Area</td>
<td>1 (78 SF)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Administrative Support Spaces - Office Admin Staff (301A)</td>
<td>Small private office for student committee use.</td>
<td>1 (106 SF)</td>
<td>2-4</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Summary of Spaces:

- Sociology:
  - Admin - Break/ Copy Room (302)
  - Admin - Conference (315)

- Administrative Support Spaces - Office Admin Staff (301A):
  - Admin - Break/ Copy Room (302)
  - Admin - Conference (315)
### FACILITY ASSESSMENT

**Summary of Spaces - Existing & Proposed**

**Recommendations**

**Space Planning / Departmental Notes**


<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small private offices, spread out along perimeter of level 3 and 4 of Science Tower. (Office 411 - 413)</td>
<td>7 (approx. 100-140 SF)</td>
<td>1 plus 1-2 Visitors</td>
<td>6</td>
<td>1 plus 2 Visitors</td>
<td>20</td>
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#### Faculty Offices - Adjunct (310)

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small private office for Faculty, seating for guests</td>
<td>1 (100 SF)</td>
<td>1 plus 1-2 Visitors</td>
<td>1</td>
<td></td>
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</table>

#### Faculty Offices - Emeritus (410)

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small private offices, desks and seating for 2 or 3, desks, file cabinets, etc.</td>
<td>3 (100 SF)</td>
<td>3 plus 1-2 Visitors</td>
<td>3</td>
<td></td>
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</table>

#### Graduate Student Offices (307, 312, 406)

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
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</thead>
<tbody>
<tr>
<td>Small private office, desks and seating for 3, bookshelves, file cabinets.</td>
<td>1 (200 SF)</td>
<td>3 plus 3-4 Visitors</td>
<td>1</td>
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#### Graduate Student Offices - Large Office (320)

<table>
<thead>
<tr>
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<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large private office formerly used as observation area. 2 desks, seating for 3. Sliding chalkboards cover observation windows. Remodel of this office by the Department is planned for Summer 2013.</td>
<td>1 (180 SF)</td>
<td>3 plus 3-4 Visitors (will increase to 7 plus 3-4 Visitors after the remodel planned for Summer 2013.)</td>
<td>1</td>
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#### Graduate Student Offices (415C)

<table>
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<th>Description</th>
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<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small open area between hall and former observation area. The space is currently unusable - but is part of the remodel planned for Summer 2013.</td>
<td>1 (117 SF)</td>
<td>3</td>
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#### Graduate Student Tutoring (415)

<table>
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<tr>
<th>Description</th>
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<th># Occ/Rm</th>
<th># New Rooms</th>
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<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open area remodeled by grad students. Upper and lower cabinets, countertop, sink, small fridge. Couch and long table, round table with 4 chairs. 1 (216 SF)</td>
<td>10-12</td>
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#### Seminar (402)

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<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
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<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large open room, 4 tables pushed together as a conference table, 4 chairs, chalkboards, whiteboard, file cabinets, bookshelves, etc.</td>
<td>1 (420 SF)</td>
<td>15-20</td>
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#### Seminar (403)

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<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
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<tbody>
<tr>
<td>Small Seminar Space.</td>
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#### Storage (305, 306)

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<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Storage Rooms</td>
<td>2 (100 SF EA)</td>
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#### Storage (411A)

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<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Former observation room currently used for storage, 14-5 foot wide space that wraps around 415C. This space is part of the remodel of room 415C planned for Summer 2013.</td>
<td>1 (178 SF)</td>
<td>N/A</td>
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#### Computer Lab (405)

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<tbody>
<tr>
<td>Large open area, table height counters around 3 walls, 5 computers, printer, white board, file cabinets.</td>
<td>1 (257 SF)</td>
<td>8-12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Computer Work (432)

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small private office.</td>
<td>1 (136 SF)</td>
<td>1-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Conference space (small)

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference space for small groups is needed and currently does not exist. Approx. 250 SF needed per room.</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>6 to 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Waiting Space (for advising)

<table>
<thead>
<tr>
<th>Description</th>
<th># Rooms</th>
<th># Occ/Rm</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th>Total Rooms</th>
<th># New Rooms</th>
<th># Occ/Rm</th>
<th># Total Rooms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currently there is no Department Student/Faculty Lounge but one is needed.</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Summary Of Spaces - Existing & Proposed**

**FACILITY ASSESSMENT**

**CSBS**

**Summary of Spaces**

03.24
<table>
<thead>
<tr>
<th>Space Name/Use</th>
<th>Description</th>
<th>Current Space Allocation</th>
<th>Immediate Space Needs (1-3 Years)</th>
<th>Future-Projected Space Needs (4+ Years)</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naval Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative Support Offices - Office</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin Staff (100A)</td>
<td>Judge Open Office Space with Desks, file cabinets, bookshelves, storage closets, etc. Seating for 4.</td>
<td>1 (754 SF)</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Department Chair Office (101)</td>
<td>Large private office for department chair. Desk, small table, seating for 6-8. Private closet (101B) and private RR (101C). Could use for private shower.</td>
<td>1 (353 SF)</td>
<td>1 plus up to 6 visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Assoc. Professor (103)</td>
<td>Judge private office for 2nd in command. Desk, with small conference tables, seating for 8.</td>
<td>1 (353 SF)</td>
<td>1 plus 8 Visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Student Officer's Space (102C)</td>
<td>Small private office with seating for 1-2 and 1 computer for student training organization. Needs 3-4 desks with computers. The existing space only accommodates 3 occupants but needs to accommodate 8.</td>
<td>1 (253 SF)</td>
<td>6</td>
<td>11</td>
<td>0 11 2</td>
<td>need to locate this space elsewhere to accommodate 8 more people.</td>
</tr>
<tr>
<td>Admin - Human Resources Office (102D)</td>
<td>Small private for HR Officer, seating for guests.</td>
<td>1 (281 SF)</td>
<td>1 plus 2-4 Visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin - Assistant Marine Officer Instructor (102E)</td>
<td>Small private for faculty, seating for guests</td>
<td>1 (189 SF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty Offices - Full Time (108, 109)</td>
<td>Judge private office for faculty member who also serve as faculty. Could have space divided up to use more efficiently.</td>
<td>2 (320 SF)</td>
<td>1 plus 6-8 Visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference/Meeting/Classroom (103)</td>
<td>Small Conference room with table and seating for 8-10.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Room (103E)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armory (105)</td>
<td>Fitness/Training area, boot storage, matching areas, etc.</td>
<td>1 (88 SF)</td>
<td>8</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Lounge (106)</td>
<td>Judge, open Student lounge area. Couches, chairs, pool table, tv, Small free, microwave, etc. Renty of seating and space.</td>
<td>1 (772 SF)</td>
<td></td>
<td>25-30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Tubing (107)</td>
<td>Large space for tubing, undereammon required to spend 2 hours per day skating here. Large conference style desks, seating for 10.</td>
<td>1 (320 SF)</td>
<td>15-18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Training (206)</td>
<td>Judge area with cardio and weight training equipment.</td>
<td>1 (814 SF)</td>
<td></td>
<td>25-30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Lab (208)</td>
<td>Judge open area with 8 small cubicles and 3 computers, additional seating needed plus computers to accommodate 10 occupants.</td>
<td>1 (475 SF)</td>
<td>6</td>
<td>0 10 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Summary of Spaces - Existing and Proposed

**College of Social and Behavioral Sciences**

<table>
<thead>
<tr>
<th>Space Name/Type/Use</th>
<th>Description</th>
<th>Current Space Allocation</th>
<th>Immediate Space Needs (1-3 Years)</th>
<th>Future Projected Space Needs (4+ Years)</th>
<th>Recommendations</th>
<th>Space Planning / Departmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Navigation Classroom (207)</strong></td>
<td>Large classroom. Dated. Doesn't possess power or technology for current navigation teaching methods. Should be increased in size or layout to accommodate 50 occupants.</td>
<td>1 (1323 SF)</td>
<td>65</td>
<td>0</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td><strong>Classroom (201)</strong></td>
<td>Classroom with U-shaped seating of large tables. Seating for 12 will need to increase to 15 in the future. Dated classroom finishes and technology.</td>
<td>1 (553 SF)</td>
<td>12</td>
<td>0</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td><strong>Classroom</strong></td>
<td>The need for a classroom to accommodate 80 students is anticipated to accommodate that number for future class sizes.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Armory Range (1)</strong></td>
<td>Open shooting range with 5 stations for .45 caliber and below. Need reconfigured space with additional length for higher caliber shooting, and additional lane capacity.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Library Armory (1A)</strong></td>
<td>Storage area for range weapons, additional weapons storage.</td>
<td>1 (1222 SF)</td>
<td>3</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Uniform/Textbook Storage (2)</strong></td>
<td>Large open area to storage of all textbooks, uniforms, etc. has flooded multiple times per year. Mechanical equipment.</td>
<td>1 (1899 SF)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ladies Room</strong></td>
<td>Currently have male/female locker room in basement hallway. Paper male and female locker rooms are needed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electrical (2A)</strong></td>
<td>Open areas in back of Open Storage with electrical panels. Mostly unused. Needs finished IT Closet for Data wiring that is sitting exposed. Could be finished out for better storage use.</td>
<td>1 (142 SF)</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Modify layout of room to accommodate 50 occupants.
- If not for teaching navigation methods can a General Purpose Classroom be used to accommodate this need?
- Open shooting range needs reconfigured space with additional length for higher caliber shooting, and additional lane capacity.
- Library Armory needs additional weapons storage.
- Ladies Room needs male/female locker rooms.
- Electrical needs finished IT Closet for Data wiring.
### Summary of Spaces - Existing and Proposed

<table>
<thead>
<tr>
<th>Space Name/Note</th>
<th>Description</th>
<th># Rooms</th>
<th># OCC/Rm</th>
<th># New Rooms</th>
<th># OCC/Rm</th>
<th># Total Rooms</th>
<th># OCC/Rm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Military Science Department</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom</td>
<td>20 students at 20 SF per student with sand table (could be shared with other OTC's if scheduled)</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom</td>
<td>30 students at 20 SF per student (could be shared with other OTC's if scheduled)</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td></td>
<td>3</td>
<td>21 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td></td>
<td>1</td>
<td>120 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Library Room</td>
<td>4 person table, sofa and chairs, TV, bookshelves</td>
<td>1</td>
<td>390 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reception</td>
<td>Open counter. Note that administrative, space, recruiting space and heritage spaces (spaces that display historic items specific to the Army) cannot be shared with other OTC's</td>
<td>1</td>
<td>403 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Break Room</td>
<td></td>
<td>1</td>
<td>50 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work Copy Mail</td>
<td>Open counter</td>
<td>1</td>
<td>100 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage</td>
<td>High-density storage system</td>
<td>1</td>
<td>1,800 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Restrooms</td>
<td>single-user: 1 toilet, 1 sink per room</td>
<td>2</td>
<td>60 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female Cadet Restrooms</td>
<td>2 toilets, 2 sinks</td>
<td>1</td>
<td>100 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male Cadet Restrooms</td>
<td>2 toilets, 1 urinal, 2 sinks</td>
<td>1</td>
<td>120 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male Cadet Locker Room</td>
<td>36 lockers (18&quot;W x 24&quot;D x 36&quot;H), could be shared with other OTC's if made larger in the future</td>
<td>1</td>
<td>300 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female Cadet Locker Room</td>
<td>24 lockers (18&quot;W x 24&quot;D x 36&quot;H), could be shared with other OTC's if made larger in the future</td>
<td>1</td>
<td>70 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff/Cadet Showers</td>
<td>Could be shared with other OTC's if made larger in the future</td>
<td>8</td>
<td>40 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Lockers</td>
<td>10 full lockers</td>
<td>1</td>
<td>100 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laundry</td>
<td></td>
<td>1</td>
<td>50 SF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Firing Range</td>
<td>120</td>
<td>1</td>
<td>120</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large Meeting Space</td>
<td>Needs to accommodate 120 people for meeting space that can accommodate all Cadets. Could be shared with other OTC's if scheduled</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auditorium</td>
<td>Needs to accommodate about 300 people for commissioning and other ceremonies. Could be shared with other OTC's if scheduled. The Department is hoping to use the Fort Douglas Theater to fulfill this need.</td>
<td>0</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Workout Space/Training/Gym</td>
<td>The Department currently uses the Field House, HPER Gym and HPER Pool to fulfill their needs. If space becomes available for the Department to have its own dedicated workout space it could be shared with the other OTC's if scheduled.</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td># Rooms</td>
<td># Occ/Rm</td>
<td>New Rooms</td>
<td># Occ/Rm</td>
<td>Total Rooms</td>
<td># New Rooms</td>
<td># Occ/Rm</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>----------</td>
<td>-----------</td>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>1</td>
<td>CS Annex General Office Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty/Staff Offices</td>
<td>2013, 2041, 2045</td>
<td>3</td>
<td>(200-225 SF)</td>
<td>1 plus 4 visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty/Staff Offices</td>
<td>2016, 2022</td>
<td>2</td>
<td>(250-300 SF)</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty/Staff Offices (including Dept. Chair)</td>
<td>2010, 2011, 2012</td>
<td>3</td>
<td>(170 SF)</td>
<td>1 plus 4 visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>2009</td>
<td>1</td>
<td>(212 SF)</td>
<td>1 plus 4 visitors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For storage of uniforms and other Airforce issued items. One space includes a platform for tailoring. (Rooms 2014, 2017, 2018, 2019, 2021)</td>
<td>5</td>
<td>(130-155 SF)</td>
</tr>
<tr>
<td>Storage Room</td>
<td>For Office Supplies</td>
<td>1</td>
<td>(260 SF)</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training/Simulator Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Space includes one computerized flight simulator. The remainder of the space is used for obsolete equipment</td>
<td>1</td>
<td>(48 SF)</td>
</tr>
<tr>
<td>Training/Bunk Setup</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>(170 SF)</td>
</tr>
<tr>
<td>Training/Workout Facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The Department currently uses space in the HRS E Building, outdoor space (track) and the Field House to fulfill this need but would benefit from a dedicated space.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Firing Range</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The Department currently uses the firing range at Hill Airforce Base as building a dedicated firing range for the Department and course is not practical. If firing range is built for all OTC's to share on campus, the Department would use it.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seminar Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The Department currently uses a General Purpose Classroom in the HRS E Building that can accommodate 100 people. It is used once a week for 3 separate classes. The Department would like a dedicated classroom of this size and could share it with the other OTC's if scheduled.</td>
<td>1</td>
<td>(50 SF)</td>
</tr>
<tr>
<td>Classroom</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lounge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The Department currently uses a General Purpose Classroom in the HRS E Building that can accommodate 100 people. It is used once a week for 3 separate classes. The Department would like a dedicated classroom of this size and could share it with the other OTC's if scheduled.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Lab / Study Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copy/Fax</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miscellaneous Storage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>One space houses a writter, one is used for office supplies.</td>
<td>2</td>
<td>(25 SF)</td>
</tr>
</tbody>
</table>
PSYCHOLOGY DEPARTMENT SPACE NEEDS

EXISTING SPACE ASSESSMENT

The Psychology Department is currently located in the Social and Behavioral Science Tower at the southwest section of the University of Utah’s main campus, just south of the Marriott Library. The 14-story building with basement was completed in 1971 and the design includes a plaza level breezeway beneath the tower (at the second floor). The Department occupies the basement, fourth through eleventh, thirteenth and fourteenth floors of the building. The types of space used by the Psychology Department include faculty/staff office, graduate student office, research lab and associated observation room, conference room, seminar room, student computer lab and storage room. The Department uses University general purpose classrooms.

DEFICIENCIES

The main space deficiencies from an interior environment/climate control standpoint include regular roof leaks, poor temperature control (rooms are often too hot or too cold), and leaky heating valves. The temperature control issue has impeded laboratory protocols and some labs cannot be used at all when the temperatures are extremely warm due to participants becoming sick. Some spaces have odor issues, likely due to poor air circulation. Water pressure has been reported as so weak on some floors that faucets provide only a trickle and toilets do not flush properly or clog and back-up. Many of the restrooms in the building need to be updated. Access to power and wi-fi needs to be improved and conference call capability is needed at meeting rooms.

On the tenth floor and higher, fly infestation has become an extreme problem during the Fall (starting in late September) and has caused research participants to be rescheduled in the Distracted Driving laboratory. Window cleaning has become an issue since 2002 when it became the responsibility of the Department to provide the window cleaning as adequate Department funds do not exist to cover the cost. The single-pane uninsulated windows are energy inefficient.

There is poor sound insulation at all walls except at spaces that have been recently remodeled. This creates privacy issues and difficulty in conducting laboratory protocol. The elevators in the building are unreliable and frequently breakdown. The fourteenth floor of the building does not have access to the egress stairs and occupants have become trapped on occasions when the elevators are out of service (this has been brought to the attention of University shops and the Building Official who are in the process of changing the door hardware to allow access to the rooftop for access to the egress stairs). There is a University project to upgrade the elevators, however, the status of this project is unknown. There are numerous other code compliance issues in the building including existing spaces that are too small, do not meet the clear space requirements for accessibility and have extreme change in floor level. The building requires a seismic retrofit to meet minimum performance objectives during a seismic event and the design of a phased seismic retrofit of the building is currently underway.

ADJACENCIES

The Psychology Department has not identified other Departments it would benefit from engaging in interdisciplinary teaching with. The adjacencies within the Department that would be ideal include locating faculty offices on the same floor as their research labs and graduate students.

IMMEDIATE SPACE NEEDS

Immediate space needs include waiting areas for laboratory protocol participants and students waiting to be advised (participants and students now wait in hallways), a student/faculty lounge, Department break room, accessible restrooms and faculty dedicated restrooms, new graduate student offices and a new server room. Additional needs include space to see, assess and treat clients/patients/families in therapeutic settings and a place for graduate students to meet with undergraduate students separate from their offices.

FUTURE SPACE NEEDS (NEXT 4+ YEARS)

The future space needs anticipated by the Psychology Department include a Psychophysiology "suite" set up so that multiple researchers could use a shared control room connected to numerous observation rooms, a Social Interactions "suite" set up so that multiple researchers using observation windows, video and voice recording could share, flexible shared research space to run one or two participants at a time with waiting area and no special equipment, and a Neuroscience "suite" for multiple researchers that includes a concrete slab for a future scanner, faraday cages for EEG and a place to house MEG.

SUMMARY

The specific items to note in regard to the existing space used by the Psychology Department are as follows:

1. Office: The existing faculty and staff office spaces are generally acceptable but could use better sound proofing and updated furnishings. The advising offices are adequately sized but need to be updated to meet the requirements for advising offices (vision panel in door, two computer screens). Many graduate student offices are extremely small and do not meet accessibility requirements for access. Waiting space is needed for advising offices and separate meeting space for graduate students to meet with undergraduates is needed due to the extremely small or
FACILITY ASSESSMENT

CSBS
shared graduate student offices. If the small graduate student offices are remodeled to comply with accessibility requirements, the number of these offices will be reduced from the current number.

2. Research Labs: There are numerous types of research labs used by the Psychology Department. There is only one laboratory suite with animals and it will be vacated in May 2014 when the faculty member who runs it retires (rooms 909, 911, 913, 915, 1017, 1018, 1033). Most faculty have dedicated research labs that have not been reconfigured to meet their needs and it appears that available space is not being used efficiently due to lack of remodeling or updating to meet current needs. It may be possible to update and re-assign existing labs that have unused control rooms to faculty who need them. The need for specific types of shared research labs with shared control rooms has been identified (Psychophysiology, Social Interactions, Neuroscience), and a more detailed description of what is currently working and what is needed is included on the Summary of Spaces spreadsheet in Section 03.1 of this Study.

3. Conference Room/Seminar Room: There is one large conference room that can accommodate approximately 55-60 and three additional conference rooms that accommodate approximately 12-15 occupants. Conference rooms need additional power and Wi-Fi connection, and teleconferencing capability. The need for additional Seminar space is identified in the Summary of Spaces spreadsheet in Section 03.1 of this study.

4. Student/Faculty Lounge: An informal space for informal Student/Faculty interaction does not exist and is needed.

5. Wood Shop: The Department has an outdated wood shop in the basement that is primarily used for storage. It does not appear to have proper ventilation for use as a wood shop and it is not frequently used. The space may be reorganized to allow for a small properly ventilated wood shop and separate storage room to encourage better use of space.

6. Storage Room: There are numerous spaces throughout the building that are being used for storage due to the lack of a proper dedicated storage room. These are primarily unused observation rooms that are no longer used as originally designed but may be better utilized if Faculty requiring research space with observation room are relocated.

In summary, it seems feasible that the existing space occupied by the Psychology Department could be re-assigned and/or reconfigured to better suite the Department’s needs. If it is found that additional space is required, (for example, to house a faculty/student lounge) it is suggested to build out the second floor breezeway to match the footprint of the tower floors above. Additional space at the Tower could also be gained by expanding the enclosed space at the fourteenth floor to connect the existing spaces to the egress stairs at the roof. Please refer to the Summary of Spaces spreadsheet included in section 03.1 and the Social and Behavioral Science Tower floorplans included in section 02.5 for a more detailed description of current and possible future use of space.
**SOCIOMETRY DEPARTMENT SPACE NEEDS**

**EXISTING SPACE ASSESSMENT**

The Sociology Department is currently located in the Social and Behavioral Science Tower at the southwest section of the University of Utah’s main campus, just south of the Marriott Library. The 14-story building with basement was completed in 1971 and the design includes a plaza level breezeway beneath the tower (at the second floor). The Department occupies the third and fourth floors of the building. The types of space used by the Sociology Department include faculty/staff office, graduate student office, conference room, seminar room, graduate student lounge, student computer lab and storage room. The Department uses University general purpose classrooms.

**DEFICIENCIES**

The main space deficiencies from an interior environment/climate control standpoint include poor temperature control (rooms are often too hot or too cold and users need to bring in fans or space heaters) and leaky heating valves. Water pressure has been reported as so weak on some floors that faucets provide only a trickle and toilets do not flush properly or clog and back-up. Many of the restrooms in the building need to be updated and provided with hooks and shelves to temporarily place personal belongings (to keep them off the floor). Access to power and wi-fi needs to be improved and conference call/video conferencing capability is needed at meeting rooms. The single-pane uninsulated windows are energy inefficient and do not have adequate sunshades on the west side of the building. The lighting systems in all spaces need to be upgraded to include motion sensors.

There is poor sound insulation at all walls that causes privacy issues and noise distractions. The elevators in the building are unreliable and frequently breakdown. There is a University project to upgrade the elevators, however, the status of this project is unknown. There are numerous code compliance issues in the building including existing spaces that are too small, do not meet the clear space requirements for accessibility and have extreme change in floor level. The building requires a seismic retrofit to meet minimum performance objectives during a seismic event and the design of a phased seismic retrofit is currently underway.

**ADJACENCIES**

The Sociology Department would benefit from engaging in interdisciplinary teaching with other Departments in CSBS. This would include faculty teaching in other disciplines and vice versa. There may be some faculty who could interdisciplinary teach with Nursing, Gerontology, Public Health and Social Work and some faculty currently teach courses for the Business School or that are crosslisted with units inside the College. The adjacencies within the Department that would be ideal include locating faculty offices on the same floor as their graduate students.

**IMMEDIATE SPACE NEEDS**

Immediate space needs include additional conference space for smaller groups (approximately 6-8 occupants) to use as collaborative workspace equipped with power, wi-fi, and a collaborative computer workstation with multiple large screens for collectively viewing data and small scale instruction; classrooms with built-in media consoles that link to projectors (so instructors do not need to bring personal laptops); additional placement of smartboards in classrooms and seminar rooms; graduate computing lab remodel to include new computers; additional and/or larger graduate student offices and shared space for meeting with undergraduate students.

**FUTURE SPACE NEEDS (NEXT 4+ YEARS)**

The future space needs anticipated by the Sociology Department include additional faculty offices for future growth and visiting scholars or post-docs, updated furnishings, showers and bike lockers, department break room and a student/faculty lounge and fitness space.

**SUMMARY**

The specific items to note in regard to the existing space used by the Sociology Department are as follows:

1. **Office:** The existing faculty and staff office spaces are generally acceptable but could use better sound proofing and updated furnishings. The advising offices are adequately sized but need to be updated to meet the requirements for advising offices (vision panel in door, two computer screens). Many graduate student offices are extremely small and do not meet accessibility requirements for access. Additional office space for faculty and graduate students is needed. Waiting space is needed for advising offices and separate meeting space for graduate students to meet with undergraduates is needed due to the extremely small or shared graduate student offices. If the small graduate student offices are remodeled to comply with accessibility requirements, the quantity of these offices will be reduced from the current number.

2. **Conference Room/Seminar Room:** The Department currently has several conference rooms and seminar rooms and they all need to be updated to include better power, wi-fi, teleconferencing, videoconferencing and furnishings. Additional conference rooms are needed, however, the total number needed has not been identified.

3. **Student/Faculty Lounge:** An informal space for informal Student/Faculty interaction does not exist and is needed.
5. Graduate Student Lounge: A space has been recently designated a graduate student lounge, however, not all graduate students are aware that it exists. It could use updating but can be used in its current condition.

6. Storage Room: There are numerous spaces throughout the building that are being used for storage due to the lack of a proper dedicated storage room and the observation rooms that are no longer used as originally designed. The former observation room that wraps around Graduate Student shared office 415C will become part of room 415C during the remodel scheduled for Summer 2013 to create a larger and up-to-date Graduate Student shared office space.

In summary, the Sociology Department would like updated state-of-the-art instructional spaces in a modern, environmentally sustainable building that encompasses teaching, meeting and office space. Having teaching space in the same building as research space, office space, meeting space and conference space is highly desired to enhance Department identity and to increase efficiency of faculty, staff and students. A student/faculty lounge with a place for dining that is functional and quiet enough to have informal meetings is desired. The University lounge on the first floor of the building does not provide such an experience.
**GEOGRAPHY DEPARTMENT SPACE NEEDS**

**EXISTING SPACE ASSESSMENT**

The Geography Department is currently located in Orson Spencer Hall (OSH) at the center of the University of Utah’s main campus, just south of the Student Union Building. The 3-story building with partial basement was completed in 1955 and the design includes exterior sunshade louvers at almost all windows. The Department occupies space on the first, second and third floors of the building. Three Geography Department Research Centers (Red Lab, Nicholl Geomorphology Lab and Forster’s ice Core Lab) are located in the Paradigm II Building at Research Park. The types of space used by the Geography Department include faculty/staff office, graduate student TA office, conference room, seminar room, student computer lab, research lab and storage room. The Department uses University general purpose classrooms.

**DEFICIENCIES**

The main space deficiencies at OSH from an interior environment/climate control standpoint include poor temperature control (rooms are often too hot or too cold and users need to bring in fans or space heaters), leaky pipes and black mold. Many of the restrooms in the building need to be updated and provided with hooks and shelves to temporarily place personal belongings (to keep them off the floor). Access to power and wi-fi needs to be improved and conference call/video conferencing capability is needed at meeting/seminar rooms. Additional storage space and (2) additional faculty offices are needed immediately.

The single-pane uninsulated windows are energy inefficient and the exterior sunshade louvers are not operable at all spaces, make it difficult to clean windows and invite birds to roost between the louvers and windows which has become a noise and waste issue. The louvers prevent use of windows for emergency evacuation. Fourteen of the faculty/staff offices are small rooms with no windows. Renovations are required to bring natural light into the general Geography Department reception area, OSH 270 Hallway and inner offices of OSH 270 and first floor offices. The lighting systems in all spaces need to be upgraded to include motion sensors and to allow lights at the front of spaces with projections screens to be switched off separately from lights at the back of these spaces. There is poor sound insulation at all walls that causes privacy issues and noise distractions. There are numerous code compliance issues in the building including existing spaces that are too small and do not meet the clear space requirements for accessibility and non-compliant stair railings.

**ADJACENCIES**

The Geography Department currently engages in interdisciplinary teaching with many Departments on campus including Biology, Geology, Atmospheric Sciences, Engineering, Architecture and Environmental and Sustainability Studies. The strongest links within physical geography are Biology, Atmospheric Sciences and Geology, and courses are cross-listed with Environmental and Sustainability Studies. Geography and Anthropology both use traditional wet lab space so housing them together in a building specifically designed for such research lacking elsewhere in CSBS would be beneficial.

**IMMEDIATE SPACE NEEDS**

Immediate space needs include additional conference/seminar space for smaller groups (approximately 6-10 occupants) to use as collaborative workspace equipped with power, wi-fi, a collaborative computer workstation and whiteboards; new project rooms for 2-6 occupants are needed for dedicated research projects that could be assigned by the semester and should include all amenities described for conference/seminar space. Two of these project rooms are dedicated for medical GIS research and Urban Geography research and need to be secure to protect confidential data; two additional faculty offices are needed to meet the needs of full-time faculty indicated in the Departmental Strategic Plan (2012) and recent approval of MS degree in GIS; a department dedicated classroom with built-in media console that links to projectors with flexible seating for discussion style courses; a Department dedicated computing lab; additional shared graduate student offices and shared space for meeting with undergraduate students equipped with LCD projectors, whiteboards, etc.; A student/faculty lounge is needed to facilitate dialogue.

The three Geography Department Research Centers that have been recently moved to the Paradigm II building in Research Park (from the Kennecott Building) need to be relocated near the other Geography Department spaces in or near OSH. The remote location of these labs at Research Park requires additional office space at OSH for the faculty who run these labs. Additional storage space for research and field equipment for both instruction and research is needed in close proximity to these labs. Ideally, all Geography Department spaces would be located in the same building.

**FUTURE SPACE NEEDS (NEXT 2-5 YEARS)**

The future space needs anticipated by the Geography Department include additional graduate student TA offices, additional meeting/seminar space, classroom space with wet sink and storage for instructional equipment, and additional project rooms. The Paradigm II labs need to be consolidated in to the central Geography space on main campus.
SUMMARY
The specific items to note in regard to the existing space used by the Geography Department are as follows:

1. Office: The existing faculty and staff office spaces could use better sound proofing and fourteen of the Geography Faculty/Staff offices on the 1st and 2nd floors are small windowless offices. There is an immediate need for two additional faculty offices per the full-time teaching faculty indicated in the Departmental Strategic Plan (2012) and recent approval of an MS degree program in GIS. The advising office is small and needs to be updated to meet the requirements for advising offices (vision panel in door, two computer screens). Many graduate student offices are extremely small, too many students are crammed in a shared office and power/wi-fi is inadequate. Additional office space for graduate student TAs is needed along with shared meeting space for graduate students to meet with undergraduates privately. Space Planning has noted that the new model for housing graduate students is a “hotel” model with open desks to work at but no individual student ownership (this model can accommodate many more graduate students than is otherwise possible.)

2. Conference Room/Seminar Room: The Department currently has several conference rooms and seminar rooms and they all need to be updated to include better power, wi-fi, teleconferencing and videoconferencing and furnishings. Additional seminar rooms are needed.

3. Research Project Rooms: Dedicated project rooms do not exist and are needed. They should accommodate 2-6 occupants with a conference table and computer workstation, whiteboards, LCD projection screen and adequate power and WiFi capability.

4. Student/Faculty Lounge: An informal space for informal Student/Faculty interaction does not exist and is needed.

5. Storage Room: There are several Department storage spaces in the building that could be better organized or re-allocated to faculty who need dedicated secure storage for specialized equipment to free up space in faculty offices. An additional storage room may be needed if the existing storage rooms cannot be re-allocated.

6. Lab Space: The existing lab spaces in OSH (Center for Natural and Technological Hazards (CNTH), Utah Remote Sensing Lab (URSA), Digit Lab) need to be enlarged to accommodate additional occupants and updated to provide better equipped facilities. The three labs recently relocated to the Paradigm II Building in Research Park (Red Lab, Nicholl Geomorphology Lab and Forster’s Ice Core Lab) have indicated a need for larger space then they have been provided and ideally should be provided their own (not shared) space in closer proximity to the Geography Department in or near OSH. Space Planning has noted that the new space provided for these three labs in Paradigm II is more than double the square footage these labs previously occupied in the Kennecott Building and although there is a need for separate research facilities (as opposed to shared), it is unlikely they will need to enlarge yet again. A storage POD for the current Paradigm II labs is needed immediately.

In summary, the Geography Department needs to have all of its spaces located in the same building. Some additional space is needed and existing spaces need to be updated and enlarged. If the climate control and other known issues in OSH can be resolved it is possible that the Geography Department could remain in OSH if additional space is made available to suit the Departments needs.
Environmental & Sustainability Studies Program Space Needs

Existing Space Assessment

The Environmental & Sustainability Studies Program (ESS) is currently located in Orson Spencer Hall (OSH) at the center of the University of Utah’s main campus, just south of the Student Union Building. The 3-story building with partial basement was completed in 1955 and the design includes exterior sunshade louvers at almost all windows. The Program occupies space on the first floor of the building. The Environmental & Sustainability Studies Program is unique within the College in that it is highly dependent on the interdisciplinary structure of the curriculum, with the core classes taught by the program, and the remaining classes taught by 22 different departments spanning 6 colleges. The affiliated faculty come from both the College of Social & Behavioral Sciences within Anthropology, Economics, Geography, Political Science, Psychology and Sociology, as well from departments from other colleges within the University including Architecture, Biology, Engineering, Communication, Health Education, Law, etc. This level of interdisciplinary activity creates a need for physical space so students within the program can form a sense of identity within the larger network of the University. The types of space used by the Environmental & Sustainability Program include faculty/staff office and a small lounge/meeting space. The Program uses University general purpose classrooms.

Deficiencies

The main space deficiencies from an interior environment/climate control standpoint include repeated breakdowns in the heating and cooling, frequent water line breaks, single-pane uninsulated windows that are energy inefficient and do not isolate noise outside the building. There is poor sound insulation between offices which creates privacy issues. The Environmental & Sustainability Studies Program has a very limited amount of space for the size of the Program. They have only a handful of small offices, with multiple occupants sharing one office, and only one meeting space that fits 4-5 occupants. They have to borrow a conference room from Political Science or the College in order to conduct staff meetings, regular student group meetings, executive/curriculum meetings, etc.

There are exterior sunshade louvers at most windows that are not operable at all spaces, make it difficult to clean windows and invite birds to roost between the louvers and windows. The lighting systems in all spaces need to be upgraded to include motion sensors. The suite occupied by the Environmental & Sustainability Studies Program does not meet the clear space requirements for accessibility.

Adjacencies

Due to interdisciplinary teaching with many departments within the College of Social and Behavioral Sciences, the Environmental & Sustainability Studies Program is well situated in Orson Spencer Hall and the opportunities presented by the close proximity to the related departments. Sharing space with Geography, Economics and Political Science would be an efficient use of space for the Program. Due to the connection the program has with so many departments from other colleges, it is advantageous for the Program to be located near the center of campus and continue to be a hub within the growing network of departments and programs that are engaging the resources that the Environmental & Sustainability Studies Program offers.

Immediate Space Needs

Immediate space needs include much more secured and dedicated space to create an actual identity for the program. Administratively the Program needs additional offices to house the current staff/faculty/TAs etc. and offices for future hires. They need a conference room where they can conduct all of their faculty/staff meetings and student group meetings, preferably adjacent to a suite of offices dedicated to their program. Environmental Studies would benefit from having a student center/lounge to develop the identity and cohesiveness that students feel in other departments.

Future Space Needs (Next 4+ Years)

The future space needs anticipated by the Environmental & Sustainability Studies Program requires further attention and study. The program currently has 280 majors which have doubled in number over the last 6 years. While the administration and footprint of the program has remained minute, continued growth of the program necessitates additional staff, faculty and facilities to accommodate the needs of the Program. The connection of the Program to other colleges and departments outside of the College of Social and Behavioral Science adds to the confusion on the direction of the program in 4+ years and further into the future. What remains is the need for adequate office, meeting, administrative, gathering, teaching, lab and lecture space for the program. A lecture room for 50-100 occupants is a growing need as the majority of the classes taught by the Environmental & Sustainability Studies Program have a class size of approximately 100 students. While University General Purpose Classrooms have been used to satisfy this need, the available timeframe for use of this size classroom is not ideal. Space Planning has asked if ESS can provide data to support the use of a dedicated 100-seat classroom to be scheduled/used 60% of a 45-hour week with 75% of its seats occupied.
SUMMARY
The specific items to note in regard to the existing space used by the Environmental & Sustainability Studies Program is as follows:

1. Office: The existing office space is incredibly small in size and number with only 80 square-foot offices, and multiple occupants sharing one office (Staff/Faculty/TA’s). The Office Suite is separated from the one small meeting space allotted to the program and the Program Director’s office. The program needs a new office suite with enough faculty offices for current and future faculty/staff/TA’s/Grad Students, properly sized (approx 100 square-feet) adjacent to a meeting space/conference area.

2. Classroom: The Program uses University general purpose classrooms but would benefit from a dedicated lecture room for 50-100 occupants as the majority of the classes taught by the Environmental & Sustainability Studies Program have a class size of approximately 100 students.

3. Conference Room: Environmental & Sustainability Studies currently borrows a conference room from Political Science or the College of Social and Behavioral Sciences because it has no conference space of its own. The program has one small meeting space which they’ve remodeled to use as a showpiece of sustainable materials in the built environment, but it only fits 4-6 occupants. The program needs both small and large meeting spaces for its administrative needs and to fulfill the needs of the Program’s student groups.

4. Student Lounge: There is no existing student lounge but one is needed for Program students to identify with peers in their Program and create a sense of belonging.

5. Student Study Space: No existing student study space exists. There is one small TA office in the office suite that TA’s share with other program faculty and staff.

6. Student Computer Lab: There is no dedicated Environmental Studies computer lab. OSH has College wide computing spaces available.

7. Research/Lab Space: There is currently no research/lab space available within the program for faculty or students.

In summary, due to the growth of the program over the last 6 years, Environmental & Sustainability Studies is in dire need of new facilities to provide for the increased needs faced by the program. The current space allotted to ESS is deficient in size and number, and has the same environmental and climate controls issues as other spaces in OSH.
POLITICAL SCIENCE DEPARTMENT SPACE NEEDS

EXISTING SPACE ASSESSMENT
The Political Science Department is currently located in Orson Spencer Hall (OSH) at the center of the University of Utah’s main campus, just south of the Student Union Building. The 3-story building with partial basement was completed in 1955 and the design includes exterior sunshade louvers at almost all windows. The Department occupies space on the first, Second and Third floors of the building. Included in this study are a number of programs that fall under the umbrella of the Political Science Department. They include the Center for Public Policy & Administration Program (CPPA), Master of Public Policy Program (MPP), Master of International Affairs & Global Enterprise Program (MIAGE), and Master of Public Administration Program (MPA). These four programs share space on the second floor in OSH. The types of spaces currently used by the Political Science department are faculty/staff/advisor offices, graduate student/TA offices, administration space, conference room, seminar room, and College/University wide computer lab and classroom/lecture halls. CPPA, MPP, MPA & MIAGE have a shared suite with faculty/staff/advisor offices, administrative space and a dedicated classroom/seminar room.

DEFICIENCIES
The main space deficiencies from an interior environment/climate control standpoint include repeated breakdowns in the heating and cooling, frequent water line breaks, single-pane uninsulated windows that are energy inefficient and do not isolate noise outside the building, and inoperable or remotely controlled exterior sunshades. There is poor sound insulation between offices which creates privacy issues. The administration portion of the department is located on level 2 and has a large open reception area, but does not have a reception desk. The occupants of the offices that open into the reception area currently manage reception duties along with their individual tasks. The faculty offices are spread out on all three floors of OSH preventing cohesion and interaction between faculty members and between faculty and students. All offices on the north wing of the third floor of OSH are outdated. The main meeting/seminar room is antiquated and does not lend itself to the seminars taught by the department. The Department lacks space for labs, research, small and large meetings, breakout spaces, a graduate lounge, a faculty lounge and classroom/lecture rooms that fit their teaching model. Both the Political Science Department and the CPPA, MPP, MPA and MIAGE programs noted the nature of the interior and exterior physical space that OSH provides lacks visual attractiveness and fails to reflect the professional nature of the program’s offered or the professional research done there.

ADJACENCIES
The Political Science Department benefits from close proximity to the Departmental programs including CPPA, MPP, MPA and MIAGE. Additional adjacencies within the College of Social & Behavioral Science that provide shared resources and possible interdisciplinary teaching opportunities include Economics, Sociology and Environmental & Sustainability Studies. There is already a certain amount of collaboration taking place between Political Science and Economics with regard to the MPP and MIAGE programs. While the CPPA, MPP, MPA and MIAGE are 4 separate and distinct programs, their current adjacency should be maintained as they efficiently share available resources.

IMMEDIATE SPACE NEEDS
Immediate space needs for the Political Science Department include improved environmental conditions and controls at all offices. The department needs additional faculty/staff offices at the first or second floor of OSH in order to relocate from outdated faculty/staff offices on the north wing of the third floor. Also needed is an updated meeting/seminar room, and breakout/small meeting spaces that can be used for various interactive opportunities between the faculty and students or for student collaboration. Political Science also has an immediate need for a graduate lounge space.

The immediate space needs of the CPPA, MPP, MPA and MIAGE include larger sized offices for some of the staff, additional offices for adjunct faculty and for the Director’s of MPP and MIAGE which currently have offices in other departments (Political Science and Economics) but not near the program managers. These four programs also need a conference room for 12-15 people, a lounge/study space for students in the program, and improved spaces for classrooms, meetings, conferences and events.

FUTURE SPACE NEEDS (NEXT 4+ YEARS)
The future space needs anticipated by the Political Science Department begin with the desire to create a sense of community and identity for the students within the Department. Consolidating the various faculty and staff offices that are currently dispersed randomly throughout Orson Spencer Spencer Hall into one location containing Departmental administrative spaces, a lounge, and conference/breakout rooms will help create the opportunities for interaction that the Department would like to see
take place between its student groups and faculty, both individually and collectively. Additional future needs of the department include a statistical computing lab (possibly shared with other departments in the college) and the technology, software, infrastructure, equipment and staff to provide technical support. Space Planning asks if there is a potential here to consolidate the various department computer lab needs under CSBS computing who could then staff said lab, procure specialty software and provide desktop assistance to all CSBS students. Engineering has a similar set-up for its faculty and students (CADE Lab). Also needed is improved lounge space for faculty/staff. Finally the Political Science Department needs flipped classroom space, and improved technological additions such as "smart boards" in all classroom/lecture space.

The Political Science graduate programs, including CPPA, MPP, MPA and MIAGE are in need of an elevated quality in the spaces they occupy. These professional programs require an attractive visual presence to competitively recruit graduate students, professional researchers and clientele. Facilities are needed that reflect the nature of the work in the Political Science Department.

It should be noted that the Hinckley Center for Politics is located in Orson Spencer Hall and is slated to be relocated to a new "International Center Building". The timeline for this is unknown, however, the space the Hinckley Center will be vacating in OSH is valuable space that could be easily adapted to meet some of the needs of the Political Science Department.

**SUMMARY**

The specific items to note in regard to the existing space used by the Political Science Department and the CPPA, MPP, MPA and MIAGE Programs are as follows:

1. **Office:** The existing Political Science offices are scattered throughout three floors of OSH. Most are appropriately sized, but they are not located adjacent to each other, nor are they located near the administrative component of Political Science. The offices on the third floor are outdated and small and need to be completely remodeled or relocated. The existing office space for some of the CPPA, MPP, MPA and MIAGE staff is small in size with only 80 SF offices and no room for more than one visitor. There is a need for additional offices for Adjunct faculty and staff associated with the Programs. Space is needed for Director’s of the MPP and MIAGE programs in close proximity to the program managers.

2. **Classroom:** The Political Science Department is in need of flipped classroom space with associated technology. The larger classroom/lecture halls also need to be equipped with updated equipment to employ more state of the art teaching methods using equipment such as "smart boards". CPPA, MPP, MPA and MIAGE need multi-purpose classroom spaces that can be used for lectures or small group discussions in class, but they need spaces that look more professional than what is currently available in OSH. Note that any changes to existing General Purpose Classrooms requires input from the Registrar’s Office, Classroom Improvement Committee and E-Classroom Committee.

3. **Student Lounge:** There is no existing student lounge for either the Political Science Department or for the CPPA, MPP, MPA and MIAGE programs. Such a space is needed for students to have a place to study and have social interactions with their peers and advisors.

4. **Student Study Space:** No existing student study space exists. There is one small TA office on the first floor of OSH but there is only enough space for 3-4 small workstations for the TA's to work at, and no space to meet with students.

5. **Student Computer Lab:** There is no dedicated computer lab for the Political Science Department. OSH has College wide computing spaces available. The Political Science department would benefit from a statistical computing lab (shared with other departments in the college) which would include technologically updated infrastructure and equipment, including cutting edge software, and staff available to provide technical support. Space Planning asks if Departmentally dedicated labs are really needed or if the suggestion made under future space needs (above) would work.

6. **Research/Lab Space:** There is currently no research/lab space available for the Political Science Department.

In summary, the Political Science Department has made due with the space provided. The immediate problem is with the quality and disjointed nature of the space occupied by the Department. Some of the existing Departmental space is deficient in size and is unprofessional in aesthetic quality. As with most spaces in OSH, the Departmental spaces are deficient from an environmental and climate control standpoint. The space occupied by the CPPA, MPP, MPA and MIAGE programs is deficient in size and quantity. Additional facilities are needed to properly house the various needs of the program.
EXISTING SPACE ASSESSMENT
The Economics Department is currently located in Orson Spencer Hall (OSH) at the center of the University of Utah’s main campus, just south of the Student Union Building. The 3-story building with partial basement was completed in 1955 and the design includes exterior sunshade louvers at almost all windows. The Department occupies space on the second and third floor of the building. The Economics Department currently offers online courses to Dixie College students and there have been discussions about making the Department’s Masters available to Dixie College via videoconferencing. This is not yet happening but is anticipated in the next 2-5 years. The types of space used by the Economics Department include faculty/staff office, student office, office hour room, conference room/library/seminar, classroom and small lounge/meeting space. The Department uses University general purpose classrooms.

DEFICIENCIES
The main space deficiencies from an interior environment/climate control standpoint include repeated breakdowns in the heating and cooling, frequent water line breaks, single-pane uninsulated windows that are energy inefficient and do not isolate noise outside the building. The sound insulation between offices is poor and results in noisy spaces. The Department has had to create graduate student offices using cubicles located in the OSH third floor hallway. These cubicles are cramped, do not provide the quiet space needed and are difficult to keep secure. Additionally, there is graduate student office space on the second floor of OSH that is far removed from the faculty offices. Ideally all Economics graduate students would be located on the same floor as the faculty offices in office type space, not cubicles.

There are exterior sunshade louvers at most windows that are not operable at all spaces, make it difficult to clean windows and invite birds to roost between the louvers and windows. The lighting systems in most spaces need to be upgraded to include motion sensors (though not desired by the Department at faculty offices). The existing break room is too small. The faculty are especially concerned with the lack of a seismic resisting system in the building and it should be noted that a seismic study for OSH is planned in the near future.

ADJACENCIES
The Economics Department teaches honors sections and courses that are cross-listed with Sustainability Studies and Gender Studies. The Department also offers courses under Business numbers to business school students in business school spaces. Interdisciplinary teaching does not involve any special space needs for the Economics Department. Likely areas for continued interdisciplinary instruction are with the College of Law, the Asia Center, Sustainability Studies, Gender Studies, Health, Society and Policy, and Latin American Studies.

IMMEDIATE SPACE NEEDS
Immediate space needs include additional office space, seminar space with video-conferencing capability, collaborative research space, secure graduate student offices and a student/faculty lounge to encourage collaboration between faculty and students. Space is needed for graduate students to meet with undergraduates similar to the office hours rooms. Accomodations for bicycle commuters is a growing need (bike lockers, showers, etc.)

FUTURE SPACE NEEDS (NEXT 4+ YEARS)
The future space needs anticipated by the Economics Department include additional office hour rooms, collaborative research space (project room), and additional classrooms.

SUMMARY
The specific items to note in regard to the existing space used by the Economics Department is as follows:
1. Office: The existing faculty office space is generally adequate although minor corrections could be made in some offices in regard to location of marker boards. Additional faculty office space will be needed in the future. There is currently only one academic advisor office and a second is needed. The existing advisor office needs to be updated to meet the University standards for advising offices. Additional office hours space is needed. The existing faculty offices are currently oriented along narrow hallways. The Department would prefer office space configured around common areas in a way that promotes interaction.
2. Classroom: The Department currently has a large meeting room/library that is used for classes and a small classroom that is used for PhD classes. The small classroom is very tight and additional larger classrooms are needed. Space Planning requests justification for departmental classroom space.
3. Conference Room/Library: The existing conference room/seminar room functions well and is sometimes used for classes up to 40 students.
4. Student/Faculty Lounge: There is a space at the south end of the OSH third floor hallway that is a make-shift student lounge. A proper student/faculty lounge is needed to encourage dialogue between students and faculty. This could also be achieved through organization of faculty offices around common areas.

ECONOMICS DEPARTMENT SPACE NEEDS
5. Student Study Space: No existing student study space exists. The Department would benefit from dedicated student study space.

6. Collaborative Research/Project Room: There are currently no collaborative research space/project rooms. This type of space could be used immediately.

In summary, the Economics Department needs additional space. The spaces the Department currently occupies appear to be working well aside from the graduate student cubicles in the hallway. The current space occupied by the Economics Department has the same environmental and climate controls issues as other spaces in OSH. It may be possible to satisfy the needs of the Economics Department at Orson Spencer Hall if additional space can be provided and the existing HVAC and other building-wide issues can be mitigated.
EXISTING SPACE ASSESSMENT
The Family and Consumer Studies Department is currently located in the Alfred Emery Building at the northwest section of the University of Utah’s main campus, on the south side of President’s Circle. The 3-story building was completed in 1901 with an addition completed in 1990’s. The design is consistent with the classical architecture surrounding President’s Circle. There is a fenced in playground behind the building (on its east side) that is used by the Child and Family Development Center on the first floor of the building.

The types of space used by the Family and Consumer Studies Department includes faculty/staff office, student office, day care classroom, conference/seminar, research lab, student lounge and storage. The Department uses University general purpose classrooms and a University computer lab located in the building. Interestingly, the Department Chair gives up his/her faculty office and moves into the office designated for the Chair for the duration of his/her time as Chair. Most other departments in the College of Social and Behavioral Science maintain two offices - their faculty office and the office designated for the Chair.

DEFICIENCIES
The main space deficiencies from an interior environment/climate control standpoint include poor heating/cooling control (not all spaces have their own thermostat and heating/cooling is controlled in an adjacent room) and there is poor sound insulation between offices which creates privacy issues. The Department would benefit from the addition of showers at the restrooms. The (2) advising offices are located outside of the administrative offices and would be best located within this office suite. Additionally, the existing advising offices do not meet the University standard for advising space (should have vision panel at door, two computer monitors and adequate space. The daycare classrooms include outdated observation rooms that do not suit the needs of the Department. The Family and Consumer Studies Department would prefer card key locks at all of the Department spaces in lieu of the hard-key locks they currently have.

ADJACENCIES
The Family and Consumer Studies Department does not currently engage in interdisciplinary teaching with other Departments, however there are some cross-listed courses. The Department has not given much thought to interdisciplinary teaching with other Departments so adjacency to other departments is not a priority at this time. Within the Department of Family and Consumer Studies there is an adjacency need to relocate the advising offices to the Department’s administrative suite. An additional adjacency needed is storage for the Child and Family Development Center located in close proximity to its daycare classrooms (currently they use a storage room 2-floors above their classroom location.)

IMMEDIATE SPACE NEEDS
Immediate space needs include relocating and redesigning of the advising offices, additional storage adjacent to the daycare classrooms, larger faculty offices that can accommodate one permanent occupant plus three visitors, additional meeting space for 7-8 occupants, dedicated project rooms, lab space and additional offices.

FUTURE SPACE NEEDS (NEXT 4+ YEARS)
The future space needs anticipated by the Family and Consumer Studies Department include additional project rooms that can accommodate 6 occupants.

SUMMARY
The specific items to note in regard to the existing space used by the Family and Consumer Studies Department are as follows:

1. Office: The existing faculty office space is too small to accommodate the preferred 1 occupant plus 3 visitors with the option of a small conference table for meetings in faculty offices. The advising offices need to be relocated to the administrative suite so they can use the waiting space located there and can be redesigned to meet the University’s requirements for advising space. The existing graduate student office space is lacking with students packed into relatively small spaces. This issue may be able to be addressed with new furnishings that better use the existing space.

2. Daycare Classrooms: The existing daycare classrooms have observation rooms that are not adequate for the needs of the Department. Modifications to observation rooms and doors added to child restrooms are some of the modifications needed, in addition to reconfiguring of existing classroom space for better visual supervision of children.

3. Conference Room: The Department currently has one large and one small conference room with the need for additional small conference rooms.

4. Research Lab Space: The existing dry informatic research lab space is too small and poorly configured for current needs and additional research lab space is needed. New research lab space should be significantly larger than existing labs to comfortably accommodate up to six researchers.
and related secured storage of research documentation and ethernet connection for more powerful internet connection.

5. Project Room: The Department does not currently have any dedicated project rooms. There is a current need for three project rooms that could accommodate six occupants with one computer workstation and a small conference/work table and secure document storage. It is foreseen that an additional three such spaces will be needed in the next 2-5 years for a total of six.

6. Student Lounge: The existing Student Lounge is located in an out-of-the-way space near the main restrooms. Due to its poor location and make-shift furnishings, it is rarely used. The Department needs a student lounge located more centrally.

7. Storage Room: The existing storage room for the Child and Family Development Center needs to be relocated adjacent to the daycare classrooms. Additional departmental storage space may be better utilized if stored records can be relocated to University archives.

In summary, the Alfred Emery Building appears to meet most of the needs of the Family and Consumer Studies Department with the exception of better HVAC control, reorganization and/or reconfiguration of some existing spaces and the addition of some new meeting space and enlarged offices. Please refer to the Summary of Spaces spreadsheet in section 03.1 of this study for the specific space needs identified.
ANTHROPOLOGY DEPARTMENT SPACE NEEDS
EXISTING SPACE ASSESSMENT
The Anthropology Department is currently located in the William Stewart Building at the northwest section of the University of Utah’s main campus, just south of President’s Circle. The 2-story brick building was completed in 1920. Anthropology is a science oriented department with three major (wet) laboratories. The Department’s laboratory needs will grow in the future. The types of space used by the Anthropology Department include faculty/staff office, student office, Department specific classroom, library, conference/seminar, research lab, and storage. The Department uses University general purpose classrooms located in the building and other locations on campus in addition to the Anthropology Department owned classroom.

DEFICIENCIES
The main space deficiencies from an interior environment/climate control standpoint include poor temperature control (rooms are often too hot or too cold) and the single-pane uninsulated windows are energy inefficient. There is poor sound insulation between spaces which poses privacy issues and is disruptive to work. The offices are poorly configured and have large under-utilized ante-rooms. One lab (210A) has a make-shift wood stud with plastic sheating partition that seperates it from the adjacent graduate student shared offices. This same lab contains outdated equipment that takes up valuable space and leaks oil into the room (this lab is scheduled for remodel in the Summer 2013).

The lighting systems in all spaces need to be upgraded to provide adequate lighting levels for the work performed. It should be noted that all ceiling lighting in the all classrooms, offices and labs is currently being replaced with brighter, modern and more energy efficient fixtures. There are several code compliance issues in the building including extreme change in floor level between the building corridor and administrative offices. In general, the entire building, with the exception of the research suite 111 currently under remodel, the Osteology teaching lab 209, and the graduate student room 207, are outdated, in poor disrepair and badly in need of remodeling. The building is not well-secured and homeless persons have been found habitating inside the building at night and on weekends. There are significant deficiencies in the HVAC system(s), water supply and plumbing system, and electrical outlet accessibility in offices, some labs and all classrooms remain significant issues.

ADJACENCIES
Anthropology does some interdisciplinary teaching. At least one of the Department’s courses in human evolutionary genetics is cross-listed with the Biology Department, and team taught by faculty in both departments. Some Anthropology faculty also teach courses that are cross-listed with Gender Studies as well as the Middle-East Center, and the Department has had discussions about developing a course to be cross-listed and perhaps team-taught with the Business School. Anthropology and Geography both use traditional wet lab space so housing these Departments together in a building specifically designed for such research lacking elsewhere in CSBS would be beneficial.

IMMEDIATE SPACE NEEDS
Immediate space needs include the remodel of all existing space (with the exception of open lab classroom 209, research suite 111 and graduate student room 207) to provide better space layout, better lighting and HVAC, better sound insulation and better security. The Department needs 2 additional classrooms for high security items (Osteology Class) and additional power outlets and charging stations in the classrooms and lecture halls in the building (University general purpose). The Anthropology advisor needs space updated to meet the University’s requirements for advising space. Additional offices and lab space is needed.

FUTURE SPACE NEEDS (NEXT 4+ YEARS)
The future space needs anticipated by the Anthropology Department include additional offices and lab space.

SUMMARY
The specific items to note in regard to the existing space used by the Anthropology Department are as follows:
1. Office: The existing faculty office space is poorly organized with many including an underutilized ante-room. These rooms could be reconfigured to allow for better use of space. The existing newly remodeled graduate student office space on the second floor appears to be adequate, however, the other graduate student space in the building needs to be updated and additional space is required. The existing administrative office space is outdated and in need of remodeling. The Department believes it will run out of space for new faculty and graduate students in th near future.
2. Classroom: Additional Department specific classrooms are needed and the University general purpose classrooms in the building require additional power and charging stations.
3. Library: The Department currently has a library that is in need of remodeling.
4. Conference/Seminar: The Department currently has conference room/ seminar space that is in need of remodeling.
5. Research Lab: The existing research labs in the building are in dire need of remodeling. Additional lab space is needed.

6. Storage Room: There is an existing Department storage room that is still being used by the Utah Natural History Museum. Once this space is vacated it will become valuable needed storage space for the Department.

In summary, the William Stewart Building is in dire need of remodeling and HVAC upgrade. All spaces in the building are currently occupied by the Department or University general purpose classrooms so fulfilling the additional space needs of the Anthropology Department will likely require finding space in another building or significant modification of existing poorly configured space in the William Stewart Building. Please refer to the Summary of Spaces spreadsheet in section 03.1 of this Study for the specific space needs identified.
NAVAL SCIENCE DEPARTMENT SPACE NEEDS

EXISTING SPACE ASSESSMENT

The Naval Science Department is currently located in the Naval Sciences Building at the northwest corner of the University of Utah’s main campus, just north of President’s Circle. The 2-story building with basement was completed in 1948 and the design includes a 2-1/2-height space (referred to as the “Armory” or “Gun Deck”) which was originally designed to house large military equipment for simulated training. The mezzanine which overlooks the “Armory” is in the shape of a ship’s bridge. The “Armory” space is currently used as a marching and drill area and the mezzanine houses fitness equipment. Other types of space used by the Naval Science Department include faculty/staff office, student office, classroom, conference room, student lounge, student study space, student computer lab, student research space, gun range, locker room and storage room for storage of training materials, course-specific books that are issued to students but are owned by the U.S. government, uniform items and boat motor storage.

DEFICIENCIES

The main space deficiencies from an interior environment/climate control standpoint include frequent water line breaks, single-pane uninsulated windows that are energy inefficient and do not isolate noise outside the building, electrical power supply shortage (breakers trip and system cannot support the expansion of technology) and window air-conditioning units which are noisy, inefficient and aesthetically displeasing. There is poor sound insulation between offices which creates privacy issues. There is no locker room but rather a make-shift men’s locker area located in the basement hallway. There is no locker room but rather a make-shift men’s locker area located in the basement hallway. There is no elevator in the building and no accessible entrance which means wheelchair access is unavailable to any of the spaces within the building. The existing “Armory” mezzanine and associated railings are not code compliant and there are numerous other code compliance issues that need to be addressed. The building is not equipped with an automatic fire suppression system and should be retrofit with one if significant remodel or addition work is completed within the building.

ADJACENCIES

The Naval Science Department would benefit from engaging in interdisciplinary teaching with the Department of Military Science and Aerospace Studies. Currently there is no interdisciplinary teaching between these departments due to proximity. If the Department of Military Science and Aerospace Studies were to be relocated to or near the Naval Science Building, it should be noted that the three ROTC’s could not share student lounges, administrative space, faculty offices and specialized classrooms. Spaces that could be shared include locker rooms, work-out/training space (if scheduled) and classrooms. It should also be noted that if the Naval Science Department is relocated there are historic artifacts that would need to move with the Department, including the bell from the USS Utah and an historic anchor. A flagpole will also be needed.

IMMEDIATE SPACE NEEDS

Immediate space needs include secure male and female locker rooms, a lecture room for 50 occupants (the Department currently reserves space in the Physics building when lecture space is needed), a classroom that can accommodate 50 occupants for teaching navigation methods (currently there is a navigation classroom that accommodates 45 which may be able to accommodate 50 if the furniture layout is modified), a research lab (computer lab) that can accommodate 10 occupants (currently there is one that accommodates 6).

FUTURE SPACE NEEDS (NEXT 4+ YEARS)

The future space needs anticipated by the Naval Science Department include increased classroom size (increase current 12 occupant to 15 and additional Officer research space to make a total of two rooms that can accommodate 11 occupants.

SUMMARY

The specific items to note in regard to the existing space used by the Naval Science Department are as follows:

1. Office: The existing office space appears to be poorly utilized due to the existing wall configuration - some offices are oversized for a single occupant and others are poorly configured for sharing. Re-organizing the wall layout and/or considering furniture solutions may better suit the existing users. No additional office space is anticipated to be needed currently, nor in the next 2-5 years.

2. Classroom: One of the two Naval Science Department classrooms is set up for 45 students with large tables for chart reading (navigation). The immediate need is for this classroom to accommodate 50 students. In the near future the navigation classroom needs to be able to accommodate computerized navigation training which will require electrical and data upgrades and possible furniture solutions to accommodate the equipment. The second of the two existing Naval Science Department classrooms is set up as a seminar space for 12 occupants. This meets the current needs, however, in the future this type space will need to accommodate 15 occupants. There is a future need for a lecture hall that can accommodate 80 (this estimate is based on a cohort group of 20 per academic year).

3. Conference Room: The existing conference room accommodates 10 occupants and meets the current and future needs of the Department for this type space.

Naval Science Department
FACILITY ASSESSMENT CSBS
4. **Student Lounge**: The existing Student Lounge (Ward Room) accommodates about 20 occupants and meets the current and future needs of the Department for this type space.

5. **Student Study Space**: The existing Student Study/Tutoring space can accommodate 12 occupants and meets the current and future needs of the Department for this type space.

6. **Student Computer Lab**: The existing computer lab doubles as a quiet student lounge and can accommodate up to 20 occupants. Ideally, this space would be able to accommodate 10 computer stations (this will require additional furniture, computer equipment and additional IT infrastructure will likely be needed for all computer areas). This computer lab is located next to the fitness room and is accessed by a narrow set of stairs leading up from the second floor hallway. The stair and railings are not code compliant.

7. **Officer Research Space (Leadership Office)**: This space currently accommodates 6 students, however, furnishings are minimal. The immediate needs are for the Student Research Space to accommodate 10 with a future need of accommodating 11. Creative furniture solutions and additional square footage may both be needed.

8. **Gun Range**: The existing gun range and gun/ammo storage room are located in the basement and function well for the Department’s current needs. The existing gun range currently accommodates 45 caliber and smaller hand guns, but only 22 caliber and smaller rifles. In the future a longer gun range may be needed to accommodate larger caliber fire arms including NATO standard 5.56 rifles. Additional soundproofing at the gun range is needed immediately due to the recent removal of the existing soundproofing due to industrial hygiene concerns. The new soundproofing needs to be of a non-porous, cleanable material approved by Environmental Health and Safety.

9. **Storage Room**: The existing storage room is used for storing training materials, course-specific books that are issued to students but are owned by the U.S. government, uniform items and boat motor storage. The storage room is where these items are issued so it functions as a sort of commissary. If alteration of uniforms is needed, it is taken care of in the storage room. The immediate need is to provide a changing room within the storage room and a dedicated alteration area. Leaky pipes and flooding have been problems in this space so lifting the storage of all items off the floor will be helpful along with addressing the source of leaks/flooding. It is suggested that a high-density storage system be installed to decrease the amount of space needed for storage and free up some space for locker rooms.

10. **Locker Rooms**: The basement hallway currently functions as the Male Locker Room. There is no privacy (females entering the basement are requested to shout “Female on Deck” to alert anyone changing to hurry up and get dressed) and there is no security for uniforms that do not fit in lockers. This makeshift “locker room” has been accommodating the needs of the male members of the Department but poses many problems including code violation. New male and female locker rooms should be considered an immediate need.

11. **Fitness Room**: The existing fitness room is located on the mezzanine overlooking the “Armory” and is accessed by a set of narrow stairs leading up from the second floor hallway. These stairs and railings around the entire mezzanine are not code compliant. There is no door or other way to secure the fitness room which poses the threat of equipment theft.

12. **Gym (referred to as the “Armory” or “Gun Deck”)**: The gym is currently a 2-1/2 height space used as a marching and drill area. It functions well for its use, however, it has been noted by the Department that the excessive height is not needed and could be better used if a 2nd floor were infilled to allow the space below to be 1-1/2 height space and new 2nd floor space used to accommodate the Department’s other needs. The existing floor of the gym is about 4 to 5 feet below the first floor and it is accessed by stairs that are not code compliant. The upper half of the gym is open to the second floor hallway and the railings are not code compliant. The open gym poses sound problems at the second floor classrooms so use of the gym needs to be scheduled when there are no classes in the second floor classrooms. The Department currently stores small sailboats in the gym. Additional storage space is needed to allow these boats to be removed from the gym.

In summary, if major remodel work or an addition to this building is planned in the future the numerous code compliance issues will need to be addressed (including installation of an elevator) and an automatic fire suppression system will need to be installed in the building.
**MILITARY SCIENCE DEPARTMENT SPACE NEEDS**

**EXISTING SPACE ASSESSMENT**
The Military Science Department has recently relocated from Carlson Hall to the newly remodeled Fort Douglas PX Building. Although the overall square footage of space provided for Military Science in the PX Building is significantly less than the square footage Military Science occupied in Carlson Hall, the new space in the PX Building was constructed per the Department’s current needs with some exceptions (listed under “Deficiencies” below). The types of space used by the Military Science Department include faculty/staff office, Department specific classroom, library, conference/seminar, locker rooms, and storage. The Department uses University owned space in the Field House, HPER Gymnasium and HPER Pool for the workout/training functions required by the Department. Military Science is hoping to be able to use the existing Fort Douglas Theater that is located across the street from the Fort Douglas PX Building for commissioning and ceremonies.

**DEFICIENCIES**
Since the Department moved into a newly renovated building in June 2013 it is expected that there will be no deficiencies with the interior environment/climate control and that adequate sound control will be provided between spaces. The deficiencies that will exist pertain to spaces that are not included in the newly remodeled PX Building. These spaces include a firing range, workout/fitness/training space, large meeting space that can accommodate 120 people and a large auditorium space to accommodate commissioning and ceremonies. Parking at the new space in the Fort Douglas PX Building may be problematic.

**ADJACENCIES**
The Military Science Department would like to be located at Fort Douglas. The Department’s Cadets attend classes in uniform all over campus so the physical presence of a Military Science Building on Main Campus is not a priority. The Department would benefit from proximity to the other Officers’ Training Corps (OTC’s) (Naval Science Department and Aerospace Studies) and would be able to share many of the spaces the OTC’s have a common need for if scheduling could be worked out fairly. Military Science would like to see the other OTC’s moved to Fort Douglas so they can all benefit from sharing space.

**IMMEDIATE SPACE NEEDS**
The immediate space needs of the Military Science Department are being met in the newly renovated Fort Douglas PX Building. This is based on the assumption that the Department will continue to be able to use University owned space in the Field House, HPER Gymnasium, HPER Pool for the fitness training required by the Department and that the Fort Douglas Theater will be available for the Department’s use in Commissioning Officers and other ceremonies.

**FUTURE SPACE NEEDS (NEXT 4+ YEARS)**
The future space needs anticipated by the Military Science Department include a firing range, dedicated gymnasium/fitness training space, a large meeting space to accommodate 120 people and an auditorium type space to accommodate 300 people that could be shared with the other OTC’s. Department personnel have suggested looking at the existing Fort Douglas Bowling Alley as a potential location for an OTC shared firing range.

**SUMMARY**
The specific items to note in regard to the space that will be used by the Military Science Department in its new location at the Fort Douglas PX Building are as follows:
1. **Office:** The new office spaces have been designed to meet the needs of the Department.
2. **Classroom:** The Department will have two new classrooms that can accommodate 30 students and one that will accommodate 35 students and a sand table.
3. **Library:** The Department will have a new library/lounge in the renovated PX building. This type of space could be shared with the other OTC’s but may need to be enlarged.
4. **Conference/Seminar:** The Department will not have dedicated conference/seminar space in the PX Building, however, the new classrooms could be set up and used for seminars.
5. **Locker Rooms:** The Department will have new locker rooms in the renovated PX Building. Locker rooms could be shared with other OTC’s in the future if they are enlarged.
6. **Firing Range:** A firing range is not currently available to the Department and one is needed. This type of space could be shared by all the OTC’s if scheduled.
7. **Storage Room:** There will be a new storage room with high-density storage system in the renovated PX Building.

In summary, the immediate needs of the Military Science Department will be satisfied in the newly renovated space at the Fort Douglas PX Building. Please refer to the Summary of Spaces spreadsheet at the beginning of this section for the specific spaces that have been provided for the Military Science Department in the Fort Douglas PX Building and future spaces that are needed.
AEROSPACE STUDIES SPACE NEEDS

EXISTING SPACE ASSESSMENT
The Aerospace Studies Department is currently located in the Annex General Office Building at the southeast section of the University of Utah’s main campus. The 2-story with partial walk-out basement wood-framed building was completed in 1942. Aerospace Studies occupies the top floor of the “D” wing (west wing). The types of space used by Aerospace Studies include faculty/staff office, conference/seminar, flight simulation/training, other training, computer lab, lounge and storage. The Department uses University general purpose classrooms, outdoor space (track), Field House and performs drills in the HPER Building. Aerospace Studies uses Hill Airforce Base for its shooting range needs.

DEFICIENCIES
The main space deficiencies from an interior environment/climate control standpoint are the energy inefficient single-pane uninsulated windows that do not provide insulation against outside noise, energy inefficient light fixtures and antiquated non-ADA compliant door hardware.

ADJACENCIES
Aerospace Studies would benefit from proximity to the other OTC’s so they could share spaces of common need. Spaces the Department feels could be shared are lockers/showers/restrooms, workout facility, lounge, classrooms and storage (depending on how it is organized). Spaces that could not be shared are administration and recruiting.

IMMEDIATE SPACE NEEDS
The existing quantity of space occupied by Aerospace Studies works well for their immediate needs. Scheduling does become problematic, especially for students pursuing a B.A. as they need to do all their coursework during Monday-Wednesday-Friday classes so that Tuesday-Thursday can be set aside for Airforce Training and Teaching. Physical training is currently scheduled for Monday-Wednesday-Friday from 5:00-6:00am. These hours are undesirable but are what can be accommodated with the University owned space availability. The department does not have any dedicated locker rooms/showers and is making do with facilities located elsewhere.

FUTURE SPACE NEEDS (NEXT 4+ YEARS)
The future space needs anticipated by Aerospace Studies include dedicated locker rooms and workout facility with cardio equipment and free weights, and a firing range on campus (although the Department can continue to use the firing range at Hill Airforce Base).

SUMMARY
The specific items to note in regard to the existing space used by Aerospace Studies are as follows:
1. Office: The existing faculty office space meets the requirements of the Department, although building renovations/upgrades are desirable.
2. Classroom: The Department uses a University General Purpose classroom in the HPER Building that accommodates 100 people one day a week for three separate classes. As long as the Department can continue to use General Purpose Classrooms there is no need for a Department dedicated classroom.
3. Lounge: The Department currently has a student lounge that meets the needs of the Department.
4. Conference/Seminar: The Department currently has conference room/seminar space that meets the needs of the Department.
5. Computer Lab: The existing computer lab/study space meets the needs of the Department.
6. Storage Room: There are five small storage rooms for Airforce issued items. These rooms meet the current needs of the Department, however, if a single larger space were available, the storage of these items could be accomplished more efficiently.

In summary, the immediate space needs of Aerospace Studies are met in their current space in the Annex and use of University owned or other spaces. Spaces that are not provided and that are needed are locker rooms and dedicated workout space. Aerospace Studies could share such space with the other OTC’s and the Department has no preference on where they are located (main campus or Fort Douglas). The existing spaces could use remodeling from an ADA, energy efficiency and aesthetic standpoint.
ORDER OF MAGNITUDE RAW COSTS ESTIMATE

An Order of Magnitude Raw Costs Estimate was developed to identify short term and long term raw costs for the proposed work. Short term costs were identified as modifications to space that is available within existing CSBS space. Long term costs were identified as modifications to space that is not available within existing CSBS space and two options have been provided: one for finding space in an existing building to remodel, and one to build new space in a new building. A separate spreadsheet has been included to identify the raw costs for updating the layout of University General Purpose Classrooms in CSBS buildings.

The Unit costs included in the cost estimates do not include the following:

- Inflation
- Impact of Structural Modifications
- Seismic Study - Seismic Upgrades
- Impact of Mechanical Evaluation
- Impact of Electrical Evaluation
- Impact of Phasing
- Site Improvements and Utilities Impact (tunnel tie-in) for a new building
- Hazardous Material Abatement
- Soft Costs (typically 30%)
- Technology Upgrades

The format of the Order of Magnitude Raw Costs Estimate includes a color-coded spreadsheet and a black-and-white spreadsheet which is the back-up for the costs shown on the color-coded spreadsheet. The costs listed should be viewed as a "shopping list" of items and the total raw costs included at the bottom of each Department are provided only to give a big-picture of costs if all items listed are selected.
## Order of Magnitude Raw Costs Estimate CSBS Space

**Family and Consumer Studies**

- **Building 08 - Alfred Emery Building**
  - **Item 1**: Address issues at childcare classrooms and observation rooms.
    - 2,920 SF
    - Estimated Cost: $267,800
  - **Item 2**: Address heating/cooling issues at offices.
    - 5,050 SF
    - Estimated Cost: $479,750
  - **Item 3**: Redesign building restrooms to include showers.
    - 600 SF
    - Estimated Cost: $171,000
  - **Item 4**: Remodel Faculty and Graduate Student offices.
    - 8,050 SF
    - Estimated Cost: $600,000
  - **Item 4A**: Provide new furniture at Faculty and Graduate Student Offices.
    - Estimated Cost: $124,800
  - **Item 5**: Change door locks to card key type locks at all Departmental spaces.
    - 65 EA
    - Estimated Cost: $13,000
  - **Item 6**: Provide (3) new collaborative research spaces.
    - 540 SF
    - Estimated Cost of Renovated Space within Existing Building on Campus (Re-allocated Space): $40,000
    - Estimated Cost of New Space in New Building: $72,000
    - Total Estimated Cost: $143,100
  - **Item 7**: Remodel advising offices to meet University Standards.
    - 200 SF
    - Estimated Cost: $19,000
  - **Item 8**: Reconfigure Department Office Suite and advisor offices so waiting can be shared and a collaborative research space can be provided.
    - 930 SF
    - Estimated Cost: $88,350

**Total Raw Costs**: $1,668,700

**Notes**:
- Collaborative Research Space is defined as a 180 SF room with conference table to accommodate 4-6 people with one or two computer workstations at one end of the space.

**Summary of Spaces**

**Order of Magnitude Raw Costs**

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>Short Term</th>
<th>Long Term</th>
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<tbody>
<tr>
<td>Family and Consumer Studies</td>
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**Notes**: All Costs listed here are RAW CONSTRUCTION COSTS.

**Description**:
- **Short Term**: Space is available within existing building to allow remodel.
- **Long Term**: Space is not available within existing building for remodel. Two options have been provided:
  - Find space in an existing building to remodel, or new space in new building.
### COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCE

**Order of Magnitude Raw Costs**

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>Renovation to Existing Space</th>
<th>Estimated Cost</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography Department</td>
<td>Building 54 - Orson Spencer Hall Floors 1, 2 and 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 1</td>
<td>Provide (3) collaborative research spaces</td>
<td></td>
<td>540 SF</td>
<td>$72,900</td>
<td>$143,100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 2</td>
<td>Remodel faculty offices for better acoustics, HVAC (include remodel of Advising office to meet University Standards)</td>
<td>Remodel 3,680 SF</td>
<td>$349,600</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Item 3</td>
<td>New furniture for faculty offices</td>
<td>25</td>
<td></td>
<td>$11,640</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 4</td>
<td>Provide two new faculty offices</td>
<td>Remodel 556 SF</td>
<td></td>
<td>$82,725</td>
<td></td>
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<tr>
<td></td>
<td>Item 5</td>
<td>Expand Dig Lab from 1,090 SF to 1,270 SF</td>
<td>1,270 SF</td>
<td>$171,450</td>
<td>$336,550</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 6</td>
<td>Provide new dedicated wet sink classroom</td>
<td>1,000 SF</td>
<td>$135,000</td>
<td>$265,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 7</td>
<td>Provide new microscope classroom</td>
<td>1,000 SF</td>
<td>$135,000</td>
<td>$265,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 8</td>
<td>Provide dedicated computer classroom for GIS/Remote Sensing Classes</td>
<td>900 SF</td>
<td>$121,500</td>
<td>$166,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Building 887 - Paradigm II</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 1</td>
<td>Provide storage at Paradigm II for field and instructional equipment (Storage POD outside of building if allowed to satisfy immediate need to get stored items out of new classroom spaces)</td>
<td>200 SF</td>
<td>$10,000</td>
<td>$17,000</td>
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</tr>
<tr>
<td></td>
<td>Item 2</td>
<td>Relocate Paradigm II labs and associated offices/classrooms with storage support to main campus.</td>
<td>8,500 SF</td>
<td>$993,500</td>
<td>$1,944,500</td>
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<tr>
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<td></td>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>$512,725</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- All Costs listed here are RAW CONSTRUCTION COSTS.
- Space is available within existing building to allow remodel.
- Space is not available within existing building for remodel. Two options have been provided:
  - Find space in an existing building to remodel
  - New space in a new building

**Summary of Spaces**

- **Item 1:** Provide (3) collaborative research spaces
- **Item 2:** Remodel faculty offices for better acoustics, HVAC (include remodel of Advising office to meet University Standards)
- **Item 3:** New furniture for faculty offices
- **Item 4:** Provide two new faculty offices
- **Item 5:** Expand Dig Lab from 1,090 SF to 1,270 SF
- **Item 6:** Provide new dedicated wet sink classroom
- **Item 7:** Provide new microscope classroom
- **Item 8:** Provide dedicated computer classroom for GIS/Remote Sensing Classes
- **Item 1:** Provide storage at Paradigm II for field and instructional equipment (Storage POD outside of building if allowed to satisfy immediate need to get stored items out of new classroom spaces)
- **Item 2:** Relocate Paradigm II labs and associated offices/classrooms with storage support to main campus.
### Task Renovation to Existing Space

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>Building 54 - Orson Spencer Hall - Floors 2 and 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 1: Provide (2) collaborative research spaces</td>
<td>360 SF</td>
<td>$48,600</td>
<td>$95,400</td>
<td>Collaborative Research Space is defined as a 180 SF room with conference table to accommodate 4-6 people with one or two computer workstations at one end of the space.</td>
</tr>
<tr>
<td></td>
<td>Item 2: Graduate Student Space (for 24-students currently located in hallway cubicles)</td>
<td>1,200 SF</td>
<td>$114,000</td>
<td>$222,000</td>
<td>At 50 SF per student (cubicles or shared space)</td>
</tr>
<tr>
<td></td>
<td>Item 3: Update technology infrastructure in rooms 336 Library and 360 Classroom</td>
<td>1,220 SF</td>
<td>$131,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 4: Provide new seminar space for 25 occupants</td>
<td>450 SF</td>
<td>$42,750</td>
<td>$85,250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 5: Provide improved faculty offices (with windows and in same Departmental Suite)</td>
<td>1,650 SF</td>
<td>$156,750</td>
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<tr>
<td></td>
<td><strong>Total Raw Costs</strong></td>
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<td><strong>287,750</strong></td>
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<tr>
<td>Environmental and Sustainability Studies</td>
<td>Building 54 - Orson Spencer Hall - Floor 1</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 1: Provide Conference/Seminar Space for 40 occupants</td>
<td>800 SF</td>
<td>$92,000</td>
<td>$148,000</td>
<td>This could be shared with other CSBS Departments/Programs</td>
</tr>
<tr>
<td></td>
<td><strong>Total Raw Costs</strong></td>
<td></td>
<td><strong>280,000</strong></td>
<td></td>
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</tr>
</tbody>
</table>
### COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCE

**Order of Magnitude Raw Costs**

**Note:** All Costs listed here are RAW CONSTRUCTION COSTS.

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>Renovation to Existing Space</th>
<th>Estimated Cost</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Political Science</td>
<td>Building 54 - Orson Spencer Hall - Floors 1, 2 and 3</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 1</td>
<td>Provide Conference/Seminar Space for 40 occupants</td>
<td>800 SF</td>
<td>$99,000</td>
<td>$148,000</td>
<td>This could be shared with other CSBS Departments/Programs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 2</td>
<td>Provide (3) collaborative research spaces</td>
<td>540 SF</td>
<td>$72,900</td>
<td>$143,100</td>
<td>Collaborative Research Space is defined as a 180 SF room with conference table to accommodate 4-6 people with one or two computer workstations at one end of the space</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 3</td>
<td>Remodel Advisor offices to meet University Standards</td>
<td>175 SF</td>
<td>$124,450</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Item 4</td>
<td>Provide a dedicated computer lab with technology updated infrastructure and equipment including cutting edge software and staff</td>
<td>900 SF</td>
<td>$121,500</td>
<td>$166,500</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Total Raw Costs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$124,450</td>
</tr>
<tr>
<td>Center For Public Policy and Administration (CPPA Space)</td>
<td>Building 54 - Orson Spencer Hall - Floor 2</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Item 1</td>
<td>Provide (1) collaborative research spaces</td>
<td>180 SF</td>
<td>$24,300</td>
<td>$47,700</td>
<td>Collaborative Research Space is defined as a 180 SF room with conference table to accommodate 4-6 people with one or two computer workstations at one end of the space</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 2</td>
<td>Provide Conference/Seminar Space for 12 occupants (that could double as a faculty/staff meeting space)</td>
<td>285 SF</td>
<td>$32,775</td>
<td>$52,725</td>
<td>This could be shared with other CSBS Departments/Programs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Item 3</td>
<td>Provide (1) shared adjunct faculty office</td>
<td>150 SF</td>
<td></td>
<td>$14,250</td>
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<tr>
<td></td>
<td></td>
<td>Total Raw Costs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$14,250</td>
</tr>
<tr>
<td>Master of Public Policy (MPP occupies CPPA space)</td>
<td>Building 54 - Orson Spencer Hall - Floor 2</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Item 1</td>
<td>Provide dedicated meeting/seminar space for 30 occupants</td>
<td>600 SF</td>
<td>$49,000</td>
<td>$111,000</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Item 2</td>
<td>Provide two new staff offices (for MPP Program Director and MPP Program Manager)</td>
<td>240 SF</td>
<td>$24,000</td>
<td>$39,600</td>
<td>(2) private offices of 120 SF each</td>
<td></td>
</tr>
</tbody>
</table>

**Summary of Spaces**
### COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCE

**ajc architects**

**Order of Magnitude Raw Costs**

**Note:** All Costs listed here are RAW CONSTRUCTION COSTS.

Space is available within existing building to allow remodel.

Space is not available within existing building for remodel. Two options have been provided: Find space in an existing building to remodel, or new space in new building.

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>Renovation to Existing Space</th>
<th>Estimated Cost</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building or Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master of International Affairs &amp; Global Enterprise (MIAGE occupies CPPA space)</strong></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Building 54 - Orson Spencer Hall - Floor 2</td>
<td>1</td>
<td>Provide one new staff office (for MIAGE Program Director)</td>
<td>120 SF</td>
<td>$11,400</td>
<td>$19,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Raw Costs</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Master of Public Administration (MPA occupies Political Science Departmental Space)</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Building 54 - Orson Spencer Hall - Floor 2</td>
<td>1</td>
<td>Provide Graduate RA shared office for 6 occupants</td>
<td>300 SF</td>
<td>$28,500</td>
<td>$49,500</td>
<td></td>
<td>At 50 SF per student (cubicles or shared space)</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Small meeting space for 2 occupants</td>
<td>120 SF</td>
<td>$11,400</td>
<td>$19,800</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3</td>
<td>Provide Admin/Copy/Break room for MPA</td>
<td>120 SF</td>
<td>$11,400</td>
<td>$19,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Raw Costs</td>
<td></td>
<td></td>
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</tbody>
</table>
### Anthropology

<table>
<thead>
<tr>
<th>Task</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-distributed Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item 1: Remodel room 104D for use as wet lab (includes hallway 100A to make accessible)</td>
<td>700 SF</td>
<td>94,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item 2: Reconfigure/remodel all 2nd floor Faculty/Grad student offices along Corridor 200 for better use, update HVAC, and to fit more occupants. (Technology needs to be updated but not included in cost)</td>
<td>5,000 SF</td>
<td>675,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item 3: Reconfigure/remodel Faculty and Grad student offices for better use, update HVAC (rooms 117A, 117B, 117F, 117, 115, 115A, 1141B, technology needs to be upgraded but not included in cost)</td>
<td>1,350 SF</td>
<td>182,250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item 4: Reconfigure/remodel Faculty offices 101B, 101, 121 for better use, update technology and HVAC</td>
<td>870 SF</td>
<td>117,450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item 5: Reconfigure/remodel Admin Office suite (including conference room 103B) for better use, update technology and HVAC</td>
<td>1,900 SF</td>
<td>256,500</td>
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</tr>
<tr>
<td><strong>Total Raw Costs</strong></td>
<td></td>
<td><strong>$1,325,700</strong></td>
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</table>
# Order of Magnitude Raw Costs Estimate CSBS Space

**Note:** All Costs listed here are RAW CONSTRUCTION COSTS.

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<thead>
<tr>
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<th>Task</th>
<th>Renovation to Existing Space</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology</td>
<td>Building 25 Behavioral Science Tower - Floors Basement, 6, 11, 13, &amp; 14</td>
<td>Item 1</td>
<td>6,000 SF</td>
<td>$1,110,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14th Floor: Resolve egress issue (Option A - build-out entire 14th floor to match floor area below)</td>
<td>Item 2</td>
<td>950 SF</td>
<td>$166,800</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basement: Remodel Wood Shop</td>
<td>Item 3</td>
<td>425 SF</td>
<td>$46,750</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basement: Ensure seismic retrofit does not affect Lab 18 and Antechamber 17.</td>
<td>Item 4</td>
<td>1,000 SF</td>
<td>$100,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1st Floor: Remodel/reconfigure Open Lounge Area 103 for use as shared lab/data collection room.</td>
<td>Item 5</td>
<td>490 SF</td>
<td>$46,650</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Floor: Infill open breezeway at plaza to match floor area above.</td>
<td>Item 6</td>
<td>5,000 SF</td>
<td>$675,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4th Floor: Remodel Room 437 for use as shared lab/data collection room.</td>
<td>Item 7</td>
<td>315 SF</td>
<td>$42,525</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5th Floor: Remodel perimeter offices and research space for improved acoustics, soundproofing, HVAC, IT Infrastructure, new ceilings.</td>
<td>Item 9</td>
<td>2,500 SF</td>
<td>$337,500</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6th Floor: New furniture for perimeter offices and research space.</td>
<td>Item 10</td>
<td>18 EA</td>
<td>$86,400</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5th Floor: Add sound-proofing to recently remodeled Lab 506A.</td>
<td>Item 11</td>
<td>220 SF</td>
<td>$14,300</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6th Floor: Remodel all offices, research space, lab space, storage space, seminar space for improved acoustics, soundproofing, HVAC, IT Infrastructure, new ceilings.</td>
<td>Item 12</td>
<td>4,025 SF</td>
<td>$543,375</td>
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</tr>
<tr>
<td></td>
<td>6th Floor: New furniture for offices and research space.</td>
<td>Item 13</td>
<td>29 EA</td>
<td>$139,200</td>
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</tbody>
</table>

**Summary of Spaces**

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost</th>
<th>Notes</th>
</tr>
</thead>
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<tr>
<td>Psychology</td>
<td>Building 25 Behavioral Science Tower - Floors Basement, 6, 11, 13, &amp; 14</td>
<td>Item 1</td>
<td>6,000 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14th Floor: Resolve egress issue (Option A - build-out entire 14th floor to match floor area below)</td>
<td>Item 2</td>
<td>950 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basement: Remodel Wood Shop</td>
<td>Item 3</td>
<td>425 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basement: Ensure seismic retrofit does not affect Lab 18 and Antechamber 17.</td>
<td>Item 4</td>
<td>1,000 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1st Floor: Remodel/reconfigure Open Lounge Area 103 for use as shared lab/data collection room.</td>
<td>Item 5</td>
<td>490 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Floor: Infill open breezeway at plaza to match floor area above.</td>
<td>Item 6</td>
<td>5,000 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4th Floor: Remodel Room 437 for use as shared lab/data collection room.</td>
<td>Item 7</td>
<td>315 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5th Floor: Remodel perimeter offices and research space for improved acoustics, soundproofing, HVAC, IT Infrastructure, new ceilings.</td>
<td>Item 9</td>
<td>2,500 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6th Floor: New furniture for perimeter offices and research space.</td>
<td>Item 10</td>
<td>18 EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5th Floor: Add sound-proofing to recently remodeled Lab 506A.</td>
<td>Item 11</td>
<td>220 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6th Floor: Remodel all offices, research space, lab space, storage space, seminar space for improved acoustics, soundproofing, HVAC, IT Infrastructure, new ceilings.</td>
<td>Item 12</td>
<td>4,025 SF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6th Floor: New furniture for offices and research space.</td>
<td>Item 13</td>
<td>29 EA</td>
<td></td>
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</tbody>
</table>

**Probable Cost** 04-11
## COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCE

### Task Renovation to Existing Space

<table>
<thead>
<tr>
<th>Task</th>
<th>New Square Footage</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th Floor: Remodel all offices, research space, lab space for improved acoustics, soundproofing, HVAC, IT infrastructure, new ceilings.</td>
<td>3,100 SF</td>
<td>$418,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7th Floor: New furniture for offices and research space.</td>
<td>15 EA</td>
<td>$72,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7th Floor: Remodel 712D, 712C, 712B for better use as departmental storage. Relocate Emeritus Faculty from 712C to shared Emeritus office.</td>
<td>275 SF</td>
<td>$37,125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8th Floor: Remodel existing offices, research labs and conference room for improved acoustics, soundproofing, HVAC, IT infrastructure, new ceilings.</td>
<td>3,550 SF</td>
<td>$479,250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8th Floor: New furniture for offices and research space.</td>
<td>22 EA</td>
<td>$105,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8th Floor: Reconfigure/remodel rooms 807, 807A, 807B, 807 for better configuration, improved acoustics, soundproofing, HVAC, IT Infrastructure, new ceilings.</td>
<td>975 SF</td>
<td>$97,500</td>
<td></td>
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<tr>
<td>8th Floor: New furniture for 807, 807A, 807B, 807</td>
<td>4 EA</td>
<td>$19,200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9th Floor: Remodel existing graduate student offices and lab space for better soundproofing, HVAC and IT Infrastructure.</td>
<td>2,360 SF</td>
<td>$318,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9th Floor: Remodel space that will be vacated after Spring 2014 for use as shared Neuroscience Lab.</td>
<td>2,520 SF</td>
<td>$340,875</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10th Floor: Remodel existing faculty offices and lab space for improved soundproofing, HVAC and IT Infrastructure.</td>
<td>1,470 SF</td>
<td>$198,450</td>
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<tr>
<td>10th Floor: Remodel research lab space for improved acoustics, soundproofing, HVAC, IT Infrastructure.</td>
<td>2,340 SF</td>
<td>$315,900</td>
<td></td>
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<tr>
<td>10th Floor: Remodel existing faculty offices for improved acoustics, soundproofing, HVAC and IT Infrastructure.</td>
<td>1,180 SF</td>
<td>$112,100</td>
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</tr>
<tr>
<td><strong>Total Raw Costs</strong></td>
<td></td>
<td><strong>$5,896,100</strong></td>
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</tr>
</tbody>
</table>
**Order of Magnitude Raw Costs**

<table>
<thead>
<tr>
<th>Department</th>
<th>Task</th>
<th>Renovation to Existing Space</th>
<th>Estimated Cost</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-allocated Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>Building 25 Behavioral Science Tower - Floors 3 &amp; 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3rd Floor: Remodel existing offices (including advising to meet University standards), conference room, etc. for better acoustics, soundproofing, HVAC, IT infrastructure, new ceilings.</td>
<td>3,100 SF</td>
<td>$294,500</td>
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<tr>
<td></td>
<td>3rd Floor: New furniture for offices.</td>
<td>19 EA</td>
<td>$91,200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3rd Floor: Reconfigure/renovate graduate student offices to create two updated soundproof rooms with 6 students in each.</td>
<td>615 SF</td>
<td>$58,425</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>3rd Floor: Reconfigure rooms 312, 315 &amp; 316 and install high-density storage to accommodate files from room 335 and improve copy/break room.</td>
<td>375 SF</td>
<td>$41,250</td>
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<td></td>
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<tr>
<td></td>
<td>3rd Floor: New finishes at hallways including message boards, signage, and fold-down wall-mounted seating at 300R.</td>
<td>1,350 SF</td>
<td>$87,750</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4th Floor: Reconfigure/renovate graduate student offices and seminar space for better use of space and improved acoustics, soundproofing, HVAC and IT infrastructure</td>
<td>890 SF</td>
<td>$80,750</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4th Floor: Remodel existing space for improved acoustics, soundproofing, HVAC, IT infrastructure, new ceilings.</td>
<td>2,026 SF</td>
<td>$192,375</td>
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<tr>
<td></td>
<td>4th Floor: New furniture for offices.</td>
<td>10 EA</td>
<td>$48,000</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>4th Floor: New finishes of hallways including message boards, signage</td>
<td>1,480 SF</td>
<td>$129,200</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Raw Costs</strong></td>
<td></td>
<td><strong>$1,003,450</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes: All Costs listed here are RAW CONSTRUCTION COSTS.**

Space is available within existing building to allow remodel.

Space is not available within existing building for remodel. Two options have been provided: Find space in an existing building to remodel, or new space in new building.

---

**Summary of Spaces**

9 of 20

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**Order of Magnitude Raw Costs Estimate CSBS Space**
**College of Social and Behavioral Sciences**

**Naval Science**

**Building 43 - Naval Science Building - Floors Bsm, 1 & 2**

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Renovation to Existing Space</th>
<th>Estimated Cost</th>
<th>New Square Footage Needed</th>
<th>Estimated Cost of Renovated Space within an Existing Building on Campus (Re-distributed Space)</th>
<th>Estimated Cost of New Space in a New Building</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basement: Install new non-porous cleanable soundproofing at firing range (approved by EHS).</td>
<td>1,475 SF</td>
<td>$66,375</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement: Remodel storage room to include high-density storage system to allow construction of new locker rooms in this space.</td>
<td>2,200 SF</td>
<td>$900,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basement: New finishes at hallway and stair.</td>
<td>500 SF</td>
<td>$32,500</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Floor: Remodel room 103B Student Leadership Office including new furnishings.</td>
<td>160 SF</td>
<td>$18,200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Floor: Furniture for 103B</td>
<td>1 EA</td>
<td>$4,800</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Floor: Replace all single-pane windows with new operable insulated windows.</td>
<td>18 EA</td>
<td>$900</td>
<td></td>
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<tr>
<td>1st Floor: Replace broken glass block of windows.</td>
<td>1 LS</td>
<td>$250</td>
<td></td>
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</tr>
<tr>
<td>1st Floor: Resolve safety issues with electrical panels located in Armory.</td>
<td>1 LS</td>
<td>$5,000</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2nd Floor: Remodel Classroom 207 to accommodate 90 students for chart reading.</td>
<td>1,335 SF</td>
<td>$180,225</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2nd Floor: Furniture for classroom 207</td>
<td>80 EA</td>
<td>$47,500</td>
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</tr>
<tr>
<td>2nd Floor: Replace all single-pane windows with new operable insulated windows.</td>
<td>20 EA</td>
<td>$1,000</td>
<td></td>
<td></td>
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<tr>
<td>2nd Floor: Remodel Computer Lab 208.</td>
<td>475 SF</td>
<td>$54,125</td>
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<tr>
<td>2nd Floor: Remodel Computer Lab 208 new furnishings.</td>
<td>1 EA</td>
<td>$1,200</td>
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<tr>
<td><strong>Total Raw Costs</strong></td>
<td></td>
<td>$969,075</td>
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<tr>
<td>Department</td>
<td>Task</td>
<td>Short Term</td>
<td>Long Term</td>
<td>Notes</td>
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<tr>
<td>------------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>------------</td>
<td>-----------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Military Science Department</td>
<td>Provide a firing range that can be shared with other OTC's if</td>
<td>?</td>
<td>?</td>
<td>Cost estimate for this has not been provided as cost is directly</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>scheduled.</td>
<td>?</td>
<td>?</td>
<td>related to firearms requirements of the facility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>Provide a firing range that can be shared with other OTC's if</td>
<td>?</td>
<td>?</td>
<td>Cost estimate for this has not been provided as cost is directly</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>scheduled.</td>
<td>?</td>
<td>?</td>
<td>related to firearms requirements of the facility</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Replace lighting in all spaces occupied by Military Science in Annex.</td>
<td>5,010 SF</td>
<td>$175,350</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Replace windows in all spaces occupied by Military Science</td>
<td>38 EA</td>
<td>$68,400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>with insulated type.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Change all door hardware to ADA compliant hardware.</td>
<td>25 EA</td>
<td>$25,000</td>
<td></td>
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<tr>
<td></td>
<td>Total Raw Costs</td>
<td></td>
<td>$268,750</td>
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</table>
## Take-off Summary per Item

### Family and Consumer Studies Department
Building 08 - Alfred Emery Building

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>QTY</th>
<th>UNIT</th>
<th>COST</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Address issues at childcare classrooms and observation rooms.</td>
<td>2600 sf</td>
<td>$95.00</td>
<td>$247,000.00</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>Provide minor remodel at existing Daycare classrooms 150, 160, 136, 140 to allow better observation and privacy at restrooms.</td>
<td>320 sf</td>
<td>$65.00</td>
<td>$20,800.00</td>
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</tr>
<tr>
<td>2.0</td>
<td>Update sound system at observation rooms 134, 144, 160, 154</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0</td>
<td>Address heating/cooling issues at offices.</td>
<td>5,050 sf</td>
<td>$95.00</td>
<td>$479,750.00</td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>Remodel faculty and Graduate Student offices.</td>
<td>5,050 sf</td>
<td>$100.00</td>
<td>$505,000.00</td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>Provide new furniture at faculty offices</td>
<td>26 ea</td>
<td>$4,800.00</td>
<td>$124,800.00</td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>Change door locks to card key type locks at all Departmental spaces.</td>
<td>65 ea</td>
<td>$200.00</td>
<td>$13,000.00</td>
<td></td>
</tr>
<tr>
<td>6.0</td>
<td>New Collaborative Research Space</td>
<td>In other remodeled space on campus</td>
<td>540 sf</td>
<td>$135.00</td>
<td>$72,900.00</td>
</tr>
<tr>
<td>6.0</td>
<td>New Collaborative Research Space</td>
<td>In new building on campus</td>
<td>540 sf</td>
<td>$265.00</td>
<td>$143,100.00</td>
</tr>
<tr>
<td>7.0</td>
<td>Remodel advising offices to meet University Standards.</td>
<td>Remodel existing space</td>
<td>200 sf</td>
<td>$95.00</td>
<td>$19,000.00</td>
</tr>
<tr>
<td>8.0</td>
<td>Reconfigure Department Office Suite so waiting can be shared with advising and a collaborative research space can be provided.</td>
<td>Remodel existing space</td>
<td>930 sf</td>
<td>$95.00</td>
<td>$88,350.00</td>
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</tbody>
</table>

### Back-up for Order of Magnitude Raw Costs Estimate CSBS Space

**FACILITY ASSESSMENT CSBS**

04 16
### Geography Department
Building 54 - OSH Floors 1, 2 and 3

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Location</th>
<th>SF</th>
<th>Cost (Existing)</th>
<th>Cost (New Building)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Collaborative Research Space</td>
<td>In other remodeled space on campus</td>
<td>540</td>
<td>$135.00</td>
<td>$72,900.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In new building on campus</td>
<td>540</td>
<td>$265.00</td>
<td>$143,100.00</td>
</tr>
<tr>
<td>2</td>
<td>Remodel faculty offices for better acoustics, HVAC, (include remodel of Advising office to meet University Standards)</td>
<td>Remodel existing space</td>
<td>3680</td>
<td>$95.00</td>
<td>$349,600.00</td>
</tr>
<tr>
<td>2A</td>
<td>New furniture for faculty offices</td>
<td></td>
<td>23</td>
<td>$4,800.00</td>
<td>$110,400.00</td>
</tr>
<tr>
<td>3</td>
<td>Provide two new faculty offices</td>
<td>Remodel existing space</td>
<td>555</td>
<td>$95.00</td>
<td>$52,725.00</td>
</tr>
<tr>
<td>4</td>
<td>Expand URSA Lab from 315 SF to 495 SF</td>
<td>In other remodeled space on campus</td>
<td>495</td>
<td>$135.00</td>
<td>$66,825.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In new building on campus</td>
<td>495</td>
<td>$265.00</td>
<td>$131,175.00</td>
</tr>
<tr>
<td>5</td>
<td>Expand Digit Lab from 1,090 SF to 1,270 SF</td>
<td>In other remodeled space on campus</td>
<td>1270</td>
<td>$135.00</td>
<td>$171,450.00</td>
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<tr>
<td></td>
<td></td>
<td>In new building on campus</td>
<td>1270</td>
<td>$265.00</td>
<td>$336,550.00</td>
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<tr>
<td>6</td>
<td>Provide new dedicated wet sink classroom</td>
<td>In other remodeled space on campus</td>
<td>1000</td>
<td>$135.00</td>
<td>$135,000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In new building on campus</td>
<td>1000</td>
<td>$265.00</td>
<td>$265,000.00</td>
</tr>
<tr>
<td>7</td>
<td>Provide new microscope classroom</td>
<td>In other remodeled space on campus</td>
<td>1000</td>
<td>$135.00</td>
<td>$135,000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In new building on campus</td>
<td>1000</td>
<td>$265.00</td>
<td>$265,000.00</td>
</tr>
<tr>
<td>8</td>
<td>Provide dedicated computer classroom for GIS/Remote Sensing Classes</td>
<td>In other remodeled space on campus</td>
<td>900</td>
<td>$135.00</td>
<td>$121,500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In new building on campus</td>
<td>900</td>
<td>$185.00</td>
<td>$166,500.00</td>
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</tbody>
</table>

### Geography Department
Building 887 - Paradigm II

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Location</th>
<th>SF</th>
<th>Cost (Existing)</th>
<th>Cost (New Building)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Provide storage at Paradigm II for field and instructional equipment</td>
<td>In other remodeled space on campus</td>
<td>200</td>
<td>$50.00</td>
<td>$10,000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In new storage pod on campus</td>
<td>200</td>
<td>$85.00</td>
<td>$17,000.00</td>
</tr>
<tr>
<td>2</td>
<td>Relocate Paradigm II labs and associated offices/classroom/storage/support to main campus (8,500 sf)</td>
<td>Wet lab space in other remodeled space on campus</td>
<td>4,650</td>
<td>$135.00</td>
<td>$627,750.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office, Classroom, Storage, Support in other remodeled space on campus</td>
<td>3,850</td>
<td>$95.00</td>
<td>$365,750.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wet lab space in new building on campus</td>
<td>4,650</td>
<td>$185.00</td>
<td>$1,232,250.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office, Classroom, Storage, Support in new building on campus</td>
<td>3,850</td>
<td>$265.00</td>
<td>$993,500.00</td>
</tr>
</tbody>
</table>

**Total Costs:**

- Item 2 | $1,944,500.00

---

**Back-up for Order of Magnitude Raw Costs Estimate CSBS Space**

**Probable Cost 0417**
### Economics Department  
**Building 54 - OSH Floors 2 and 3**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Space</th>
<th>Cost/Space</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>New Collaborative Research Space</td>
<td>In other remodeled space on campus: 360 sf</td>
<td>$135.00</td>
<td>$48,600.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 360 sf</td>
<td></td>
<td>$265.00</td>
<td>$95,400.00</td>
</tr>
<tr>
<td>2.</td>
<td>Provide new graduate student space to replace cubicles in hallway</td>
<td>In other remodeled space on campus: 1200 sf</td>
<td>$95.00</td>
<td>$114,000.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 1200 sf</td>
<td></td>
<td>$185.00</td>
<td>$222,000.00</td>
</tr>
<tr>
<td>3.</td>
<td>Update technology infrastructure in rooms 336 Library and 360 Classroom</td>
<td>Remodel existing space: 1310 sf</td>
<td>$100.00</td>
<td>$131,000.00</td>
</tr>
<tr>
<td>4.</td>
<td>Provide new seminar space for 25 occupants</td>
<td>In other remodeled space on campus: 450 sf</td>
<td>$95.00</td>
<td>$42,750.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 450 sf</td>
<td></td>
<td>$185.00</td>
<td>$83,250.00</td>
</tr>
<tr>
<td>5.</td>
<td>Provide improved faculty offices (with windows and in same Departmental Suite).</td>
<td>Remodel existing space (provide skylights for interior classrooms): 1650 sf</td>
<td>$95.00</td>
<td>$156,750.00</td>
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</tbody>
</table>

### Environmental and Sustainability Studies  
**Building 54 - OSH Floor 1**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Space</th>
<th>Cost/Space</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Provide Conference/Seminar Space for 40 occupants</td>
<td>In other remodeled space on campus: 800 sf</td>
<td>$115.00</td>
<td>$92,000.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 800 sf</td>
<td></td>
<td>$185.00</td>
<td>$148,000.00</td>
</tr>
</tbody>
</table>

### Political Science Department  
**Building 54 - OSH Floors 1, 2 and 3**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Space</th>
<th>Cost/Space</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Provide Conference/Seminar Space for 40 occupants</td>
<td>In other remodeled space on campus: 800 sf</td>
<td>$115.00</td>
<td>$92,000.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 800 sf</td>
<td></td>
<td>$185.00</td>
<td>$148,000.00</td>
</tr>
<tr>
<td>2.</td>
<td>New Collaborative Research Space</td>
<td>In other remodeled space on campus: 540 sf</td>
<td>$135.00</td>
<td>$72,900.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 540 sf</td>
<td></td>
<td>$265.00</td>
<td>$143,100.00</td>
</tr>
<tr>
<td>3.</td>
<td>Remodel Advisor offices to meet University Standards</td>
<td>Remodel existing space: 1310 sf</td>
<td>$95.00</td>
<td>$124,450.00</td>
</tr>
<tr>
<td>4.</td>
<td>Provide a dedicated computer lab with technology updated infrastructure and equipment including cutting edge software and</td>
<td>In other remodeled space on campus: 900 sf</td>
<td>$135.00</td>
<td>$121,500.00</td>
</tr>
<tr>
<td></td>
<td>In new building on campus: 900 sf</td>
<td></td>
<td>$185.00</td>
<td>$166,500.00</td>
</tr>
</tbody>
</table>

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**Back-up for Order of Magnitude Raw Costs Estimate CSBS Space**
### Back-up for Order of Magnitude Raw Costs Estimate CSBS Space

<table>
<thead>
<tr>
<th>Building 54 - OSH Floor 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPPA</strong></td>
</tr>
<tr>
<td><strong>Building 54 - OSH Floor 2</strong></td>
</tr>
<tr>
<td><strong>item 1</strong> Provide (1) collaborative research space</td>
</tr>
<tr>
<td><strong>item 2</strong> Provide Conference/Seminar Space for 12 occupants (that could double as a faculty/staff meeting space)</td>
</tr>
<tr>
<td><strong>item 3</strong> Provide (1) shared adjunct faculty office</td>
</tr>
<tr>
<td><strong>MPP</strong></td>
</tr>
<tr>
<td><strong>Building 54 - OSH Floor 2</strong></td>
</tr>
<tr>
<td><strong>item 1</strong> Provide dedicated meeting/seminar space for 30 occupants.</td>
</tr>
<tr>
<td><strong>item 2</strong> Provide two new staff offices (for MPP Program Director and MPP Program Manager).</td>
</tr>
<tr>
<td><strong>MIAGE</strong></td>
</tr>
<tr>
<td><strong>Building 54 - OSH Floor 2</strong></td>
</tr>
<tr>
<td><strong>item 1</strong> Provide one new staff office (for MIAGE Program Director).</td>
</tr>
<tr>
<td><strong>MPA</strong></td>
</tr>
<tr>
<td><strong>Building 54 - OSH Floor 2</strong></td>
</tr>
<tr>
<td><strong>item 1</strong> Provide Graduate RA shared office for 6 occupants</td>
</tr>
<tr>
<td><strong>item 2</strong> Small meeting space for 2 occupants</td>
</tr>
<tr>
<td><strong>item 3</strong> Provide Admin/Copy/Break room for MPA</td>
</tr>
<tr>
<td>Item</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>1</td>
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<tr>
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<td>6</td>
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<tr>
<td>7</td>
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<tr>
<td>Item</td>
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<td>8</td>
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<td>9</td>
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<td>10</td>
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<td>11</td>
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<td>15A</td>
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<tr>
<td>16</td>
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<tr>
<td>17</td>
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<tr>
<td>18</td>
</tr>
<tr>
<td>19</td>
</tr>
<tr>
<td>20</td>
</tr>
</tbody>
</table>
### Sociology Department
#### Building 25 - Behavioral Science Tower - Floors 3 & 4

<table>
<thead>
<tr>
<th>Item</th>
<th>3rd Floor: Remodel existing offices (including advising to meet University standards), conference room, etc. for better acoustics, soundproofing, HVAC, IT Infrastructure, new ceilings.</th>
<th>3,100 sf</th>
<th>$95.00</th>
<th>$294,500.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3rd Floor: New furniture for offices.</td>
<td>19 ea</td>
<td>$4,800.00</td>
<td>$91,200.00</td>
</tr>
<tr>
<td>1A</td>
<td>3rd Floor: Reconfigure/remodel graduate student offices to create two updated soundproof rooms with 6-students in each.</td>
<td>615 sf</td>
<td>$95.00</td>
<td>$58,425.00</td>
</tr>
<tr>
<td>2</td>
<td>3rd Floor: Reconfigure rooms 302, 305 &amp; 306 and install high-density storage to accommodate files from room 335 and improve copy/break room.</td>
<td>375 sf</td>
<td>$110.00</td>
<td>$41,250.00</td>
</tr>
<tr>
<td>3</td>
<td>3rd Floor: New finishes at hallways including message boards, signage, and fold-down wall-mounted seating at 300R.</td>
<td>1,350 sf</td>
<td>$65.00</td>
<td>$87,750.00</td>
</tr>
<tr>
<td>4</td>
<td>4th Floor: Remodel existing space for improved acoustics, soundproofing, HVAC, IT Infrastructure</td>
<td>2,025 sf</td>
<td>$95.00</td>
<td>$192,375.00</td>
</tr>
<tr>
<td>5</td>
<td>4th Floor: New furniture for offices.</td>
<td>10 ea</td>
<td>$4,800.00</td>
<td>$48,000.00</td>
</tr>
<tr>
<td>6</td>
<td>4th Floor: New finishes at hallways including message boards, signage</td>
<td>1,680 sf</td>
<td>$65.00</td>
<td>$109,200.00</td>
</tr>
</tbody>
</table>

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**Back-up for Order of Magnitude Raw Costs Estimate CSBS Space**
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Area / Quantity</th>
<th>Unit Cost</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Basement: Install new non-porous cleanable soundproofing at firing range</td>
<td>1,475 sf</td>
<td>$45.00</td>
<td>$66,375.00</td>
</tr>
<tr>
<td></td>
<td>(approved by EHS).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Basement: Remodel Storage Room to include high-density storage system</td>
<td>2,200 sf</td>
<td>$250.00</td>
<td>$550,000.00</td>
</tr>
<tr>
<td></td>
<td>to allow construction of new locker rooms in this space.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Basement: New finishes at hallway and stair.</td>
<td>500 sf</td>
<td>$65.00</td>
<td>$32,500.00</td>
</tr>
<tr>
<td>4</td>
<td>1st Floor: Remodel room 103B Student Leadership Office.</td>
<td>160 sf</td>
<td>$95.00</td>
<td>$15,200.00</td>
</tr>
<tr>
<td>4A</td>
<td>1st Floor: Furnishings for room 103B Student Leadership Office</td>
<td>1 ea</td>
<td>$4,800.00</td>
<td>$4,800.00</td>
</tr>
<tr>
<td>5</td>
<td>1st Floor: Replace all single-pane windows with new operable insulated</td>
<td>18 sf</td>
<td>$50.00</td>
<td>$900.00</td>
</tr>
<tr>
<td></td>
<td>windows.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>1st Floor: Replace broken glass block at windows.</td>
<td>1 ea</td>
<td>$250.00</td>
<td>$250.00</td>
</tr>
<tr>
<td>6A</td>
<td>1st Floor: Resolve safety issues with electrical panels located in Armory.</td>
<td>1 ea</td>
<td>$5,000.00</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>7</td>
<td>2nd Floor: Remodel Classroom 207 to accommodate 50-students for chart reading.</td>
<td>1,335 sf</td>
<td>$135.00</td>
<td>$180,225.00</td>
</tr>
<tr>
<td>7A</td>
<td>2nd Floor: New Furniture in Classroom 207 to accommodate 50-students for</td>
<td>50 ea</td>
<td>$950.00</td>
<td>$47,500.00</td>
</tr>
<tr>
<td></td>
<td>chart reading.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2nd Floor: Replace all single-pane windows with new operable insulated</td>
<td>20 sf</td>
<td>$50.00</td>
<td>$1,000.00</td>
</tr>
<tr>
<td></td>
<td>insulated windows.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>2nd Floor: Remodel Computer Lab 208</td>
<td>475 sf</td>
<td>$135.00</td>
<td>$64,125.00</td>
</tr>
<tr>
<td>9A</td>
<td>2nd Floor: New furniture for Computer Lab 208.</td>
<td>1 ea</td>
<td>$1,200.00</td>
<td>$1,200.00</td>
</tr>
<tr>
<td>Back-up for Order of Magnitude Raw Costs Estimate CSBS Space</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Military Science Department</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building FD638 - Fort Douglas PX - Floors Bsmt &amp; 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>item 1: Provide a firing range that can be shared with other OTC's if scheduled.</td>
<td>? sf</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aerospace Science Department</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building 105 - Annex - Floor 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>item 1: Provide a firing range that can be shared with other OTC's if scheduled.</td>
<td>? sf</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>item 2: Replace lighting in all spaces occupied by Military Science in Annex.</td>
<td>5,010 sf</td>
<td>$35.00</td>
<td>$175,350.00</td>
<td></td>
</tr>
<tr>
<td>item 3: Replace windows in all spaces occupied by Military Science with insulated type.</td>
<td>38 ea</td>
<td>$1,800.00</td>
<td>$68,400.00</td>
<td></td>
</tr>
<tr>
<td>item 4: Change all door hardware to ADA compliant hardware. (Assumed entire door will need to be replaced if contains asbestos)</td>
<td>25 ea</td>
<td>$1,000.00</td>
<td>$25,000.00</td>
<td></td>
</tr>
</tbody>
</table>
### General Purpose Classroom Remodel Raw Costs

**Note:** All costs listed here are RAW CONSTRUCTION COSTS. Mark-up by 25% for actual cost.

<table>
<thead>
<tr>
<th>Building</th>
<th>Task</th>
<th>Square Footage of General Purpose Classroom Space to be Remodeled</th>
<th>Unit Cost</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building 08 - Alfred Emery Building</td>
<td>Update layout of University General Purpose Classrooms in Alfred Emery Building (technology upgrade also needed but not included in cost)(6 Classrooms).</td>
<td>4,837</td>
<td>$135</td>
<td>$652,995</td>
</tr>
<tr>
<td>Building 54 - Orson Spencer Hall</td>
<td>Update layout of University General Purpose Classrooms in Orson Spencer Hall (technology upgrade also needed but not included in cost)(33 Classrooms).</td>
<td>24,272</td>
<td>$135</td>
<td>$3,276,720</td>
</tr>
<tr>
<td>Building 06 - Stewart Building</td>
<td>Update layout of University General Purpose Classrooms in Stewart Building (technology upgrade also needed but not included in cost)(6 Classrooms).</td>
<td>4,974</td>
<td>$135</td>
<td>$671,490</td>
</tr>
<tr>
<td>Building 25 - Behavioral Science Tower</td>
<td>Update layout of University General Purpose Classrooms in Behavioral Science Tower (Complete remodel) (Technology needs to be updated but not included in cost)(14 Classrooms)</td>
<td>10,720</td>
<td>$135</td>
<td>$1,447,200</td>
</tr>
</tbody>
</table>
General Purpose Classroom Remodel Raw Costs