



COWLEY HALL SCIENCE BUILDING

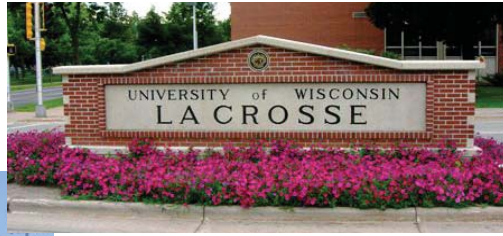
PROGRAM STATEMENT & PRE-DESIGN STUDY

University of Wisconsin – La Crosse
La Crosse, Wisconsin
DSF Project No. 09J2H

Prepared By:
River Architects, Inc.
La Crosse, Wisconsin

August 2011

APPENDIX B: PROGRAM SPACE ALLOCATION



University of Wisconsin-La Crosse Cowley Hall Science Building Program Space Allocation



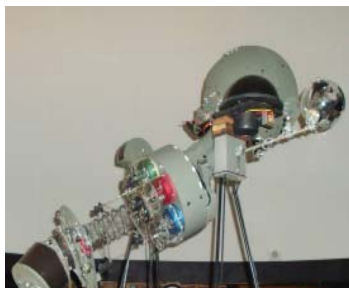
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March 2011

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TABLE OF CONTENTS

Executive Summary.....3

 Introduction..... 3

 Objectives and Assumptions 3

 Teaching Laboratory Utilization..... 4

 Research 5

 Office Space 5

 Program Space Allocation 6

1.0 Program Space Allocation9

 Background 9

 The College of Science and Health..... 9

 Research10

 Office Space11

 Classrooms - 112

 Miscellaneous Instructional/Support Spaces - 213

 Biology Department - 3.....15

 Chemistry Department - 4.....17

 Geography & Earth Science - 5.....19

 Mathematics Department - 6.....20

 Microbiology Department - 721

 Physics Department - 8.....23

 Radiation Center - 925

 River Studies Center - 1025

 College of Science and Health – Dean’s Office - 1126

 Building Support - 1227

 Comparison of Program Plan to Existing Space27

2.0 Teaching Laboratory Analysis31

 Methodology and Assumptions31

 Comparison of Program to the Teaching Laboratory Analysis32

 Teaching Laboratory Analysis Detail.....33

3.0 Teaching Laboratory Utilization Analysis.....45

 How is Utilization Determined?.....45

 Teaching Laboratories Defined.....45

 University of Wisconsin System Teaching Laboratory Utilization Expectations46

 Which Teaching Laboratories are Included?.....46

 Teaching Laboratory Utilization by Program46

Fall 200947

Spring 2010.....48

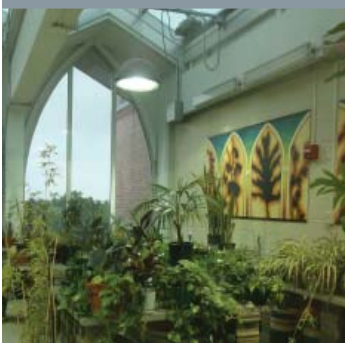
Comparison of Fall to Spring49

Appendix A: Teaching Laboratory Utilization - Fall 2009.....53

Appendix B: Teaching Laboratory Utilization - Spring 201057

Appendix C: Teaching Laboratory Utilization Detail - Fall 200961

Appendix D: Teaching Laboratory Utilization Detail - Spring 201091



Executive Summary

EXECUTIVE SUMMARY

Introduction

Paulien & Associates, Inc. contracted with River Architects, Inc. to provide planning services for the Cowley Hall Addition/Renovation building program at University of Wisconsin-La Crosse (UW-L). The intent was to provide a light version of a pre-design study. Two sets of on-site work sessions were conducted discussing the space needs of the science programs in the College of Science and Health (CSH). In 2007, Paulien & Associates conducted a Campuswide Classroom Mix Study at UW-L, the outcomes of which formed the basis for the classroom needs outline in the program. Several draft programs were sent out for review to the UW-L Executive Committee and academic departments included in the study as well as the Department of State Facilities (DSF), and representatives from the University of Wisconsin System (UWS).

The data used in this analysis represents the activities for the Fall 2009 and Spring 2010 semesters. Facilities data was collected from the Office of Facilities Planning and Management. Course data was collected from the Registrar's office.

Objectives and Assumptions

The overall objective is to provide the science programs with an adequate amount of space to conduct the activities required in each type of space represented in the building program. To the degree possible, space efficiencies, including sharing of certain spaces like conference rooms, core laboratory service spaces, and storage were explored and are reflected in the program. A classroom mix analysis was not conducted as part of the scope of services. Rather the outcomes of the 2007 Campuswide Classroom Mix Study were used with some modifications to determine classroom needs.

For the science programs included in the program, it is anticipated that there will be undergraduate student growth of three percent (3%) by 2015 and an overall growth of five percent (5%) by 2020. No growth in graduate students is expected.

Fall Student Credit Hour Projections

		2008	2009		2015		2020	
		Student Credit Hours	Student Credit Hours	Percent Change (08 to 09)	Student Credit Hours	Percent Change from '09	Student Credit Hours	Percent Change from '09
Biology	Undergraduate	9,811	9,824	0%	10,122	3%	10,352	5%
	Graduate	252	262	4%	262	0%	262	0%
	Total	10,063	10,086	0%	10,384	3%	10,614	5%
Chemistry	Undergraduate	6,743	6,506	(4%)	6,698	3%	6,846	5%
Geography / Earth Science	Undergraduate	2,688	2,800	4%	2,883	3%	2,946	5%
Microbiology	Undergraduate	2,076	1,938	(7%)	1,998	3%	2,044	5%
	Graduate	119	84	(29%)	84	0%	84	0%
	Total	2,195	2,022	(8%)	2,082	3%	2,128	5%
Mathematics	Undergraduate	8,915	9,713	9%	10,000	3%	10,221	5%
Physics	Undergraduate	2,519	2,725	8%	2,806	3%	2,868	5%
TOTAL	Undergraduate	32,752	33,506	2%	34,507	3%	35,277	5%
	Graduate	371	346	(7%)	346	0%	346	0%
	TOTAL	33,123	33,852	2%	34,853	3%	35,623	5%

Teaching Laboratory Utilization

For Fall 2009 the science programs had 28 teaching laboratories. These laboratories averaged 22 hours per week at 86% student station occupancy. Biology and Chemistry have the largest number of laboratories and schedule them very well considering the variety of subjects each covers.

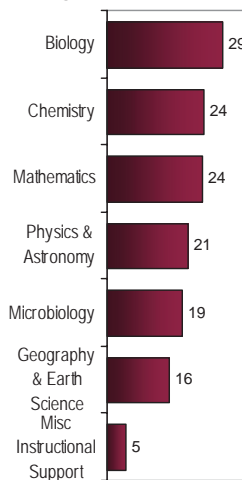
Teaching Laboratory Utilization Analysis Summary - Fall 2009

Department / Program Unit	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Biology	7	1,134	43	22	29	86%
Chemistry	8	1,226	58	19	24	92%
Geography & Earth Science	4	1,001	32	25	16	78%
Mathematics	2	782	17	34	24	76%
Microbiology	4	998	43	17	19	79%
Misc Instructional Support Spaces	1	1,140	29	40	5	100%
Physics & Astronomy	2	1,335	48	24	21	88%
<i>Total No. of Rooms = 28</i>	AVERAGE	1,111	44	23	22	86%

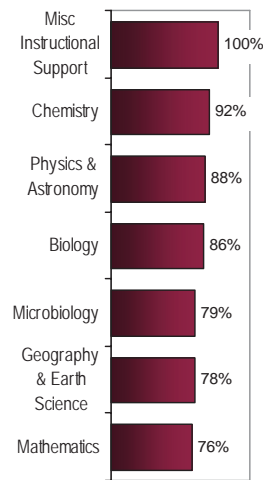
The University of Wisconsin System utilization goals for teaching laboratories are 24 weekly room hours at 80% student station occupancy rate. This results in a weekly seat hour goal of 19.2 hours per seat. Even though the overall hours per week are a little less than the 24 hour weekly room hour target, the student station occupancy rate is greater than the UWS goal of 80%. The net result is that the science programs, on average, are meeting the 19.2 hours per seat.

Because the use of the existing laboratories is very strong with the occupancy rates being very good, there is little room for student growth. This is why more laboratories are needed than currently exist.

Weekly Room Hours:



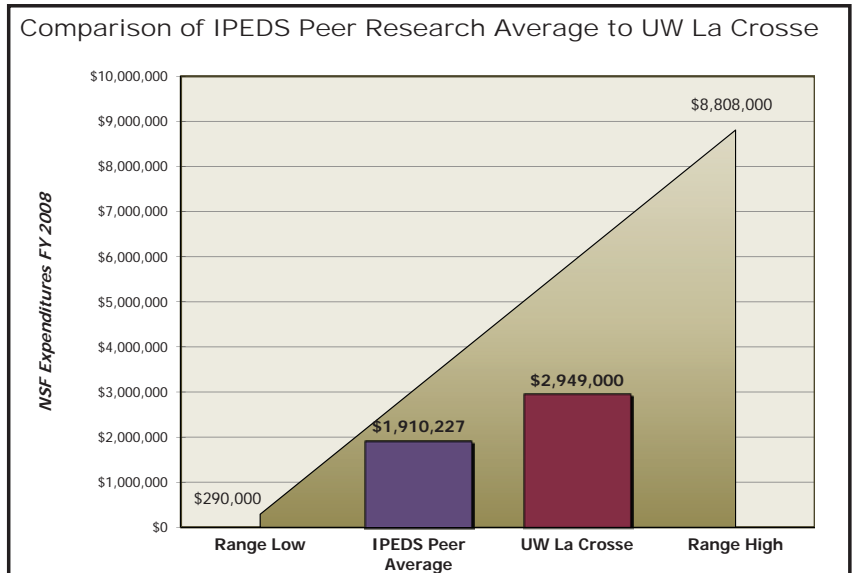
Student Station Occupancy:



Research

Because of UW-L's and CSH's commitment to grant funded, faculty, and undergraduate student research, there is a very strong need for additional research space. In order to assess UW-L's research activity, research expenditures from the latest published set of National Science Foundation data was analyzed (fiscal year 2008) and compared to the Integrated Postsecondary Education Data System's (IPEDS) list of comparison schools for UW-L. The range of expenditures from the IPED's comparative list was from a low of \$0.3 million to a high of \$8.8 million. UW-L at \$2.9 million has 54% more sponsored research activity than the average of its IPED's peer list (for more details please refer to Section 1).

Because of CSH's research commitment, research space was provided for each faculty member. It is assumed that faculty and students will share this space. The arrangement of lab space is unique to each discipline. Some faculty members require larger lab spaces due to the types of equipment and specimens being examined, some preferred shared laboratory space, while others require smaller spaces for computation or team rooms.



Office Space

CSH is currently short of office space in Cowley Hall. There is a 27% shortage in the number of offices. Some of these individuals are housed in buildings other than Cowley (such as the Dean's suite which is housed in Graff Main Hall and Mitchell Hall) and some are doubling up in an office space. After factoring office needs for graduate and teaching assistants, the deficit in the number of office spaces increases to 50%. UWS has an established set of office space guidelines which was used in determining the size of offices needed for each employee type.

No. of Existing Offices Compared to No. of Offices Needed

UNIT	No. of Existing Offices	No. of Faculty & Staff*	Graduate and Teaching Assistants	TOTAL	Difference (Existing - Faculty & Staff)	Difference (Existing - Total)
3 • Biology Department	28	40	50	90	(12)	(62)
4 • Chemistry Department	23	31	0	31	(8)	(8)
5 • Geography & Earth Science	13	12	0	12	1	1
6 • Mathematics Department	28	36	2	38	(8)	(10)
7 • Microbiology Department	10	17	18	35	(7)	(25)
8 • Physics Department	11	11	0	11	0	0
9 • Radiation Center	1	1	0	1	0	0
10 • River Studies Center**	0	0	0	0	0	0
11 • College of Science and Health – Dean's Office	0	8	0	8	(8)	(8)
TOTAL	114	156	70	226	(42)	(112)

Program Space Allocation

The table below summarizes the program space allocation by unit and then by space type. A total of 208,149 Net Usable Square Feet has been programmed which includes: 13 classrooms and 40 laboratories; the College of Science and Health Dean's suite; the departments of Biology, Chemistry, Geography & Earth Science, Mathematics, Microbiology, Physics, Radiation Center, River Studies Center and building support spaces.

Program Summary by Unit and Space Use Type

Unit	Classroom Space (100s)	Teaching Laboratory Space (210s)	Open Laboratory Space (220s)	Research Laboratory Space (250s)	Office Space (300s)	Other Departmental Space (400s - 700s)	Student Lounge and Dining (630 and 650)	Faculty Support (650)	Building Support	TOTAL AREA	Percent of Total
1 • Classrooms	21,800									21,800	10%
2 • Misc. Instructional/Support Spaces		3,240	3,844		5,121	3,040	2,350	1,280		18,875	9%
3 • Biology Department		19,200	480	13,200	8,498	8,330				49,708	24%
4 • Chemistry Department		24,160	1,320	6,600	4,496	360				36,936	18%
5 • Geography & Earth Science		6,880		2,640	1,808	360				11,688	6%
6 • Mathematics Department		3,200		720	4,988	1,215				10,123	5%
7 • Microbiology Department		10,240		5,760	3,403	360				19,763	9%
8 • Physics Department		5,760	3,680	5,440	1,902	3,840				20,622	10%
9 • Radiation Center			2,720	2,560	120					5,400	3%
10 • River Studies Center				3,520						3,520	2%
11 • College of Science and Health – Dean's Office					1,994					1,994	1%
12 • Building Support						1,740			5,980	7,720	4%
TOTAL AREA	21,800	72,680	12,044	40,440	32,330	19,245	2,350	1,280	5,980	208,149	100%
Percent of Total	10%	35%	6%	19%	16%	9%	1%	1%	3%	100%	

The program is primarily comprised of instructional space (51%), research space (19%), and offices (16%). Approximately eleven percent (11%) of the building is other academic support space (such as vivarium, herbarium, greenhouse, planetarium, specimen space, and resource spaces), student lounge and dining services, and faculty support spaces.



Section 1

Program Space Allocation

1.0 PROGRAM SPACE ALLOCATION

Background

Paulien & Associates along with River Architects conducted two on-site work sessions at University of Wisconsin-LaCrosse (UW-L) to determine a lite version of a pre-design study for the Cowley Hall Addition/Renovation building program. These work sessions were held May 5th and 6th and July 14th and 15th of 2010. During the work sessions, space needs for the science programs at UW-L were discussed. Additionally, the outcomes of the 2007 Campuswide Classroom Mix Study performed by Paulien & Associates, Inc. were the basis for the classroom needs outlined in the program.

Several draft programs were sent out for review to the UW-L Executive Committee and academic programs included in the study, Department of State Facilities (DSF), and University of Wisconsin System (UWS) in late June, July and September, 2010. Adjustments to each unit's space program were made as comments were received or new information was discovered. The building program described and illustrated in this section reflects the outcomes of those work sessions and program drafts. Each unit included in the building program has been assigned a number in the building program plan summary and each space or functional area under the unit has been assigned a reference number. Space efficiencies, including sharing of certain spaces like conference rooms, were explored and discussed throughout all work sessions.

Each unit as defined in the program summary is discussed in this section. Office spaces are not discussed in detail.

The College of Science and Health

The College of Science and Health (CSH) is comprised of the following departments: Biology; Chemistry; Computer Science; Exercise and Sport Science; Geography/Earth Science; Health Education and Health Promotion; Health Professions; Mathematics; Microbiology; Physics; and Recreation Management and Therapeutic Recreation. Additionally, CSH has about ten different interdisciplinary centers: Center for Geographic Information Science (G.I.S.); Center on Disability Health and Adapted Physical Activity; Health Science Consortium; Human Performance Laboratory; Institute for Biomolecular Sciences; La Crosse Institute for Movement Studies (L.I.M.S.); River Studies Center; Science Technology Engineering and Mathematics (S.T.E.M.) Alliance; and the Statistical Consulting Center. CSH also has core facilities that are shared between departments such as the Radiation Center, greenhouse space, core microscope suite, and its animal care facilities (vivarium) which are accredited through the Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC). Some of these facilities may be under a particular department's purview.

CSH has a very strong commitment to research not only for faculty and graduate students but for its undergraduate student population as well. Its students are paired with faculty mentors and may acquire funding from various grant programs at the College level as well as the University level. This student research is highlighted at UW-L's symposium on undergraduate research.

Not all of CSH's programs and centers space needs are addressed in this program. Biology, Chemistry, Geography & Earth Science, Mathematics, Microbiology, Physics, the Radiation Center, River Studies Center, and the CSH Dean's suite are specifically addressed. Also addressed are the animal facilities and greenhouse space which are under Biology. Other units also have specialty spaces such as the observatory and planetarium under Physics. On the whole, CSH is short of space in all space categories.

Comparison of Research Activity
IPEDS' Peer List

	NSF Research Expenditures FY 2008
Appalachian State University	\$3,586,000
Central Connecticut State University	\$363,000
College of Charleston	\$5,397,000
Eastern Illinois University	\$713,000
Humboldt State University	\$8,808,000
Kutztown University of Pennsylvania	\$0
Murray State University	\$2,335,000
Northern Michigan University	\$944,000
Radford University	\$290,000
Rowan University	\$4,658,000
Salisbury University	\$0
Sonoma State University	\$652,000
SUNY College at Cortland	\$355,000
SUNY College at Oswego	\$1,026,000
The Collge of New Jersey	\$772,000
Truman State University	\$760,000
University of Minnesota - Duluth*	n/a
University of Northern Iowa	\$2,960,000
UW - Eau Claire	\$1,040,000
UW - Oshkosh	\$1,516,000
UW - Stevens Point	\$3,233,000
Western Illinois University	\$1,597,000
Winona State University	\$1,020,000
AVERAGE	\$1,910,227
UW La Crosse	\$2,949,000
UW La Crosse Compared to Average	+\$1,038,773
UW La Crosse as a Percent of Average	+54%

* University of Minnesota reports as one Institution.

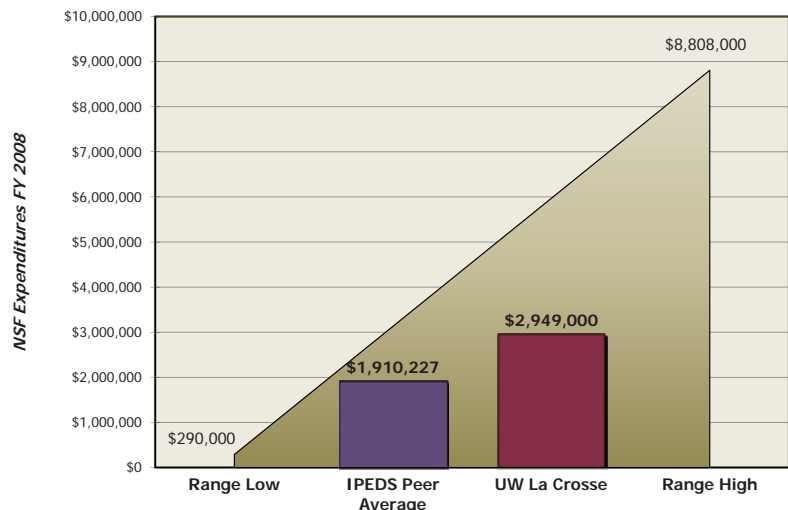
Research

Because of UW-L's and CSH's commitment to faculty and undergraduate student research, there is a very strong need for additional research space. To put UW-L's research activity into perspective, research expenditures for fiscal year 2008 (the latest set of data published) from the National Science Foundation were obtained as well as a list of comparison institutions for UW-L from the National Center for Education Statistics' (NCES) Integrated Postsecondary Education Data System (IPEDS).

The result of the IPEDS comparative list is that UW-L has 54% more sponsored research activity than the average of its peers. Radford University (Virginia) has the least amount of NSF research expenditures at \$290,000 while Humboldt State University (California) has the most at \$8,808,000 in research expenditures. While the average research expenditure amount is a little over \$1.9 million for the 22 institutions (excluding the University of Minnesota – Duluth), a trimmed average (excluding the lowest and the highest) would be about \$1.65 million. This indicates that UW-L has between 54% and 79% more research activity than that of the IPEDS' peer list. Much of this research activity is in the sciences.

For the study, research space was set up in modules of 320 which is a bay of 10' x 32'. To the degree possible, commonalities in research support spaces were discovered that could be shared between units.

Comparison of IPEDS Peer Research Average to UW La Crosse



Office Space

The table below illustrates the number of offices located in Cowley Hall as it is currently configured compared to the number of faculty and staff that need to be housed in this building. There is a 27% shortage in the number of offices needed to accommodate faculty and staff. After graduate and teaching assistants are added to the total, there is an approximate shortage of 50%. The shortage is now being accommodated by housing faculty and staff in other buildings or by putting more than one person in an office. The average office size in Cowley Hall 126 ASF, however, over 75% of the rooms are between 110 and 112 ASF.

No. of Existing Offices Compared to No. of Offices Needed

UNIT	No. of Existing Offices	No. of Faculty & Staff*	Graduate and Teaching Assistants	TOTAL	Difference (Existing - Faculty & Staff)	Difference (Existing - Total)
3 • Biology Department	28	40	50	90	(12)	(62)
4 • Chemistry Department	23	31	0	31	(8)	(8)
5 • Geography & Earth Science	13	12	0	12	1	1
6 • Mathematics Department	28	36	2	38	(8)	(10)
7 • Microbiology Department	10	17	18	35	(7)	(25)
8 • Physics Department	11	11	0	11	0	0
9 • Radiation Center	1	1	0	1	0	0
10 • River Studies Center**	0	0	0	0	0	0
11 • College of Science and Health – Dean's Office	0	8	0	8	(8)	(8)
TOTAL	114	156	70	226	(42)	(112)

* Excludes Student Workers

** Included in Biology

Every effort has been made to use UWS space guidelines where applicable—especially for office sizes. The following office sizes were used in the analysis:

Office Guidelines

OFFICE / Employee Type	ASF per Occupant
Dean	185
Associate Deans	160
Department Chairs	135
Directors	135
Center / Lab Directors	120
Faculty (including Visiting Full-time Faculty)	120
Professionals (includes Asst. Directors, Advisors, Coordinators, Instructional Academic Staff, Officers, Recruiters, Specialists, etc.)	120
Program Assistants	80
Graduate / Teaching Assistants	60
Student Workers	35

It should be noted that a circulation factor was added for office suite areas. Because it has not yet been decided which spaces will be designed as suites, a factor of 10% of the total office space has been added for suite circulation.

Classrooms - 1

A classroom mix analysis was not conducted as part of this scope of services. Therefore, the UW-L 2007 Campuswide Classroom Mix Study outcomes determined the number and size of classrooms needed for this program. However, Paulien & Associates notes that the number of classrooms in use Campuswide are fewer than the number of classrooms that were being used at the time of the 2007 study. Conversely, the number of weekly room hours of lecture or lecture type courses is over 8% more than what was projected in the 2007 Classroom Mix Study. This could create a need for ten additional classrooms beyond the 2007 study projection. Additionally, the section sizes are smaller than what was originally projected. This means that the classrooms planned at 150 and 190 station capacities in the 2007 study may need to have the capacities reduced or, conversely, the section sizes increased. During the on-site work sessions, discussions were held with the programs that primarily use the larger classrooms. It was decided that the capacities of the larger classrooms should be reduced to 120 and 150 stations and that two of each capacity size were needed. These adjustments were made and are reflected in the program.

The table following provides a crosswalk of the classrooms that were in use in Cowley Hall at the time of the UW-L 2007 Classroom Mix Study (using Fall 2005 as a snapshot in time) to the classrooms that were in use for Fall 2009.

Cowley Hall Classroom List

Room Id	ASF	Fall 2005				Fall 2009		Projected Stations in Feb. 2007 Report	
		Station Count	Classroom Type	Classroom Quality	Classroom Size/ Capacity	Existing Station Count	Classroom Size/ Capacity	Projected Station Count	Classroom Size/ Capacity
CH 0041	829	48	General	B	46 - 55	Now a Math Ed Lab		To be repurposed	
CH 0043	747	42	General	B	41 - 45	Now a Math Ed Lab		To be repurposed	
CH 0045	803	41	General	B	41 - 45	41	41 - 45	To be repurposed	
CH 0047	708	42	General	A	41 - 45	42	41 - 45	28	26 - 30
CH 0100	1,817	145	General	A	131 - 150	145	131 - 150	145	131 - 150
CH 0111	810	40	Departmental	N/A	36 - 40	40	36 - 40	40	36 - 40
CH 0113	1,043	48	Departmental	N/A	46 - 55	46	46 - 55	48	46 - 55
CH 0140	1,956	191	General	B	151 - 200	191	151 - 200	191	151 - 200
CH 0141	599	40	General	A	36 - 40	40	36 - 40	24	25 and Under
CH 0149	599	40	General	A	36 - 40	40	36 - 40	24	25 and Under
CH 0151	1,223	89	General	A	76 - 100	89	76 - 100	49	46 - 55
CH 0156	1,560	138	General	A	131 - 150	138	131 - 150	138	131 - 150
CH 0201	805	54	General	A	46 - 55	54	46 - 55	32	31 - 35
CH 0215	1,170	48	Departmental	N/A	46 - 55	44	41 - 45	48	46 - 55
CH 0301	803	55	General	A	46 - 55	55	46 - 55	32	31 - 35
CH 0405	508	31	General	B	30 - 35	31	30 - 35	To be repurposed	
CH 0447	509	37	General	B	36 - 40	Now Chem Research.		To be repurposed	
CH 0103	1,080	This room was not a classroom in Fall 2005.				40	36 - 40		
CH 0252	1,180	This room was not a classroom in Fall 2005.				50	46 - 55		

To the degree possible all classrooms should allow for collaborative learning pedagogies. The classrooms should permit flexible seating arrangements with tables and chairs and multiple fronts of room. The seating arrangement for all larger classrooms should allow for two sets of fixed tables per tier so that students can turn around and work in groups between rows.

Each classroom should have an acceptable level of technology. All classrooms should be smart classrooms, containing at minimum a data projector, instructor computer, media player (DVD), and projection screen. UW-L will need to determine the use of stationary or movable instructor podiums and the use of wireless Internet connectivity within each room. At a minimum, each instructor podium should provide access to the Internet and rooms with windows should have appropriate window coverings to darken the room. Lighting should be multi-switched or fluorescent lamps with dimmable ballast should be installed to control illumination levels during multi-media presentations.

1 • Classrooms

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
1A	Table & Chair	24	25	600	2	1,200	1,200
1B	Table & Chair	32	25	800	3	2,400	2,400
1C	Table & Chair	40	25	1,000	1	1,000	1,000
1D	Table & Chair	48	25	1,200	3	3,600	3,600
1E	Fixed Table & Movable Chair	120	24	2,880	2	5,760	5,760
1F	Fixed Table & Movable Chair	150	24	3,600	2	7,200	7,200
1G	Classroom Support - Lecture Prep Storage			320	2	640	640
TOTAL UNIT'S ASF						21,800	

Notes: This classroom program only replaces the number of classrooms projected to be in Cowley from the February 2007 Classroom Mix Study. The capacities of the large classrooms have been reduced based upon current section sizes.

Miscellaneous Instructional/Support Spaces - 2

This category includes a number of spaces that benefit the campus community — both students and faculty — as well as the occupants of the building. Not every space is discussed below.

2A Science Education Methods Laboratory

This laboratory is currently the Physics workshop lab. It is used to instruct future educators how to teach physics. Per current CSH administration this lab will be used in the future to teach a variety of sciences and will be used by more than the Physics department.

2C Student Collaborative Learning Spaces

The Student Collaborative Learning Spaces should be scattered throughout the building and are best when open to a corridor. Depending on how the space is designed (i.e., whether as part of the circulation, separate alcoves, etc.) this will provide 112 to 135 student seats or 17 to 28 areas for four to eight students. Some of these areas may need to be large enough to accommodate six to eight students. These spaces should have at a minimum whiteboards, movable furniture, and electrical outlets. Other technology, such as large LCD monitors with appropriate collaborative software, should also be considered for some of the group areas. Collaborative areas are best located near classrooms and laboratories and faculty offices where students can gather before or after class or an instructor can easily continue a discussion with student(s) after a class in an active setting. Five percent (5%) of the total classroom and teaching laboratory space was used to determine the quantity of space.

Section 1

2D Testing Room(s)

Theseroomsareusedforgivingmake-uporindividualizedtestsfortheprogrammed departments. Oneperfloorshouldbesufficient. Thesespacesshouldbecloseto offices so that the student(s) can be proctored.

2I Field Equipment Storage

ManyoftheprogramconductfieldworksuchastheRiverStudiesCenter,Biology, andGeography&EarthScience. This space will store the vast amount of equipment that is taken into the field.

2J Shop

Theshopformetals, wood, glassblowing, and repair are joint use facilities by all occupants of the building.

2K Faculty Resource Center

TheFacultyResourceCentersareintendedtobearreas that faculty can come and mingle, eat lunch, meet with students, and prepare for class.

2 • Misc. Instructional/Support Spaces

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
TEACHING LABORATORY SPACE (210s)							3,240
2A	Science Education Methods Laboratory						2,120
2A1	Lab Area	40	45	1,800	1	1,800	
2A2	Prep Area and Storage (to be shared with Math Ed Labs)			320	1	320	
2B	Building Laboratory Support						1,120
2B1	Dark Room			160	1	160	
2B2	Dry Chemical Storage			800	1	800	
2B3	Acid Storage			160	1	160	
OPEN LABORATORY SPACE (220s)							3,844
2C	Student Collaborative Learning Spaces (5% of Classroom and Teaching Laboratory Space)			3,364	1	3,364	3,364
2D	Testing Room(s)	2	60	120	4	480	480
OFFICE SPACE (300s)							5,121
2E	Office Suite Circulation (scattered throughout the building)			2,721	1	2,721	2,721
2F	Conference Room <i>One per floor to be shared by Building Occupants</i>	20	30	600	4	2,400	2,400
OTHER DEPARTMENTAL SPACE (400s - 700s)							6,670
2G	Shared Printing Areas			80	4	320	320
2H	Chemical Waste Holding			160	1	160	160
2I	Field Equipment Storage			1,280	1	1,280	1,280
2J	Shop (metal, wood, glass blowing and repair)			1,280	1	1,280	1,280
2K	Faculty Resource Center	20	32	640	2	1,280	1,280
2L	Vending & Seating Area			450	3	1,350	1,350
2M	Cyber Café						1,000
	Vending/Food Cart			100	1	100	
	Seating	30	30	900	1	900	
TOTAL UNIT'S ASF						18,875	

Biology Department - 3

Biology has five different concentrations: general biology, biomedical science, cellular and molecular biology, aquatic science, and environmental sciences. Research focuses include not only the above concentrations but bioinformatics, genetics, developmental biology, organismal biology, parasitology, mycology, plant biology and toxicology.

The Biology Department includes a variety of spaces that are shared and/or unique. Included is the core microscope suite, a suite of spaces used for DNA amplification by the Polymerase Chain Reaction (PCR) (shared with Microbiology), a cold room (shared with Biochemistry and River Studies), the vivarium, herbarium, greenhouse, and specimen museum (shared with Geography & Earth Sciences).

Six different types of teaching laboratories are required for Biology – Introductory Biology; Anatomy/Physiology (which includes the replacement of the laboratory in Mitchell Hall); Aquatics; Animal/Organizimal; Botany; and Cell/Genetics. These laboratories require a plethora of support spaces including prep areas, storage, refrigeration, and equipment rooms. The Anatomy/Physiology laboratories are used by three departments within CSH – Biology, Exercise and Sport Science, and the Health Professions.

3S Biology Special Projects Laboratory

This laboratory is not a regularly scheduled laboratory. It is used for special projects, extra or make-up lab work, and individual laboratory work by students.

Research laboratories are based on an average of 160 ASF per faculty. For Biology it was desired that larger research labs be provided that could be shared among the focus areas and faculty; therefore two different research lab sizes are shown, 480 ASF for three faculty and 320 for two faculty. These concepts are in keeping with the 320 ASF lab module.

Section 1

Program Space Allocation

Cowley Hall Science Building

3 • Biology Department

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							8,498
3A	Department Chair's Office	1	120	120	1	120	120
3B	Ranked Faculty Office	1	120	120	22	2,640	2,640
3C	Future Ranked Faculty Office	1	120	120	7	840	840
3D	Lecturer - Full time	1	120	120	5	600	600
3E	Lecturer - Part time	2	60	120	1	120	120
3F	Support Staff / Reception Area / Files						458
	Academic Department Associate	1	80	80	1	80	
	Future Office Staff	1	80	80	1	80	
	Student Workers	1	35	35	2	70	
	Reception Area	6	25	150	1	150	
	Storage Cabinets	2	6	12	1	12	
	Lateral Files	6	11	66	1	66	
3G	Secure Office Storage (4 storage cabinets)	1	120	120	1	120	120
3H	Workroom			120	2	240	240
3I	Teaching Assisants	2	60	120	8	960	960
3J	Graduate Students	2	60	120	17	2,040	2,040
3K	Lab Support Staff	1	120	120	3	360	360
TEACHING LABORATORY SPACE (210s)							19,200
3L	Introductory Biology	28	46	1,280	3	3,840	3,840
3M	Anatomy/Physiology (includes ESS)	24	53	1,280	3	3,840	3,840
3N	Aquatics	20	64	1,280	1	1,280	1,280
3O	Animal/Organizimal	24	53	1,280	1	1,280	1,280
3P	Botany (adjacent to Green House)	24	53	1,280	1	1,280	1,280
3Q	Cell/Genetics	20	64	1,280	2	2,560	2,560
3R	Laboratory Support (3L - 3Q)						5,120
3R1	Anatomy/Physiology Preparation & Cadaver Storage			1,280	1	1,280	
3R2	Introductory Biology / Aquatics Prep / Storage			320	2	640	
3R3	Animal/Organizimal & Botany Prep / Storage			640	1	640	
3R4	Cell Genetics Preparation / Autoclave			960	1	960	
3R5	Core Microscope Suite			960	1	960	
3R6	PCR Suite - shared with Microbiology			320	1	320	
3R7	Cold Room (to be shared with Biochemistry and River Studies)			320	1	320	
OPEN LABORATORY SPACE (220s)							480
3S	Biology Special Projects Laboratory	10	48	480	1	480	480
RESEARCH LABORATORY SPACE (250s)							13,200
3T	Faculty / Student Research (large paired lab)	3	480	1,440	7	10,080	10,080
3U	Faculty / Student Research (paired lab)	2	320	640	3	1,920	1,920
3V	Environmental Sample Processing Room			800	1	800	800
3W	Environmental Chamber Room			400	1	400	400
OTHER DEPARTMENTAL SPACE (400s - 700s)							8,330
3X	Vivarium						2,840
3X1	Animal Rooms	1	120	120	8	960	
3X2	Procedures Room	1	480	480	2	960	
3X3	Cage Wash	1	320	320	1	320	
3X4	Storage	1	160	160	2	320	
3X5	Dirty Room	1	160	160	1	160	
3X6	Lab Manager	1	120	120	1	120	
3Y	Herbarium	1	960	960	1	960	960
3Z	Greenhouse						1,920
3Z1	Greenhouse	1	960	960	1	960	
3Z2	Headhouse	1	160	160	1	160	

3 • Biology Department

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
3Z3	Aquatics Space	1	160	160	1	160	
3Z4	Isolation Space	1	320	320	2	640	
3AA	Specimen Museum						2,250
3AA1	Display Specimen	1	640	640	1	640	
3AA2	Speciman Non-Display	1	320	320	2	640	
3AA3	Office Area	1	60	60	1	60	
3AA4	Rock Collection			160	1	160	
3AA5	Table and Chairs	30	25	750	1	750	
3AB	General Lab / Departmental Storage			120	3	360	360
SPACES INCLUDED ELSEWHERE:							
	Conference Room (to be shared)	18	30	540			
	Undergraduate Workrooms (the collaborative learning spaces will serve this purpose - need 3)	1	120	120	3		
	Equipment Repair - 350 (included in Misc. Instructional Spaces)						
	Microscope - 359 (included in Core Microscope Suite)						
	Shared Field Equipment Storage (included in Misc. Instructional Spaces)			1,280			
						TOTAL UNIT'S ASF	49,708

Chemistry Department - 4

The Department of Chemistry offers a B.S. in: chemistry; chemistry with the American Chemical Society's (ACS) certification; a business concentration; environmental science concentration; biochemistry (in the fields of biophysics, molecular biology, and enzymology); and a dual degree in chemistry-engineering. The chemistry subdisciplines include not only organic, analytical, physical, inorganic, and biochemistry but nuclear, polymer, biophysical, bioinorganic, and environmental. The number and types of laboratories needed reflect the variety of subdisciplines offered by the Chemistry program and the number of students it serves.

Chemistry has some core facilities such as the nuclear magnetic resonance (NMR) that it shares with other units. It also needs access to other core facilities such as cold rooms (under Biology), dry chemical and acid storage (under Misc. Instructional Space).

Two different types of research space were defined for Chemistry – a wet lab environment which is 400 ASF per faculty and a computational environment which is 200 ASF per faculty.

Section 1

Program Space Allocation

Cowley Hall Science Building

4 • Chemistry Department

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							4,496
4A	Department Chair's Office	1	120	120	1	120	120
4B	Ranked Faculty Office	1	120	120	16	1,920	1,920
4C	Future Ranked Faculty Office	1	120	120	1	120	120
4D	Lecturer - Full time	1	120	120	9	1,080	1,080
4E	Lecturer - Part time	1	60	60	2	120	120
4F	Support Staff / Reception Area / Files						446
	Academic Department Associate	1	80	80	1	80	
	Future Support Staff	1	80	80	1	80	
	Student Workers	1	35	35	2	70	
	Reception Area	6	25	150	1	150	
	Lateral Files	6	11	66	1	66	
4G	Workroom			120	1	120	120
4H	Secure Storage (1 stg.; 3 file cabinets)	1	120	120	1	120	120
4I	Lab Support Staff	1	120	120	2	240	240
4J	Student Workers (Lab Prep)	6	35	210	1	210	210
TEACHING LABORATORY SPACE (210s)							24,160
4K	General Chemistry I	24	53	1,280	3	3,840	3,840
4L	General Chemistry II	24	53	1,280	2	2,560	2,560
4M	Biochemistry	24	53	1,280	2	2,560	2,560
4N	Survey of Organic Chemistry	24	53	1,280	1	1,280	1,280
4O	Organic Chemistry Majors	24	53	1,280	2	2,560	2,560
4P	Analytical Chemistry	24	53	1,280	2	2,560	2,560
4Q	Instrumental Chemistry	12	107	1,280	1	1,280	1,280
4R	Physical Chemistry	24	53	1,280	1	1,280	1,280
4S	Laboratory Support (4K - 4R)						6,240
4S1	Gen Chem Prep/Bal			640	1	640	
4S2	Gen/SuOrg Prep/Bal			640	1	640	
4S3	Gen Chem II Prep/Bal			640	1	640	
4S4	Biochem Prep/Equip			640	1	640	
4S5	Org Major Prep/Equip			640	1	640	
4S6	Analytical Prep/Bal			640	1	640	
4S7	Inst/P Chem Prep/Bal			640	1	640	
4S8	NMR (should be in the basement)			480	1	480	
4S9	Stock Dispensing			960	1	960	
4S10	Flammable Storage			320	1	320	
OPEN LABORATORY SPACE (220s)							1,320
4T	Chemical Analysis Computer Lab	24	35	840	1	840	840
4U	Computerized Instrumentation Lab (to be located near Analytical Chemistry Lab 4Q and 4T)	12	40	480	1	480	480
RESEARCH LABORATORY SPACE (250s)							6,600
4V	Faculty / Student Research (standard)	1	400	400	16	6,400	6,400
4W	Faculty / Student Research (computational)	1	200	200	1	200	200
OTHER DEPARTMENTAL SPACE (400s - 700s)							360
4X	General Lab / Departmental Storage			120	3	360	360
SPACES INCLUDED ELSEWHERE:							
	Conference Room (to be shared)	20	30	600			
	Biochem Cold Room - to be shared with Biology			160			
	Dry Chemical and Acid Storage (included in Misc. Instructional Space)			960			
TOTAL UNIT'S ASF							36,936

Geography & Earth Science - 5

Geography and Earth Sciences is both a natural and social science. The topics offered by GES are cultural, physical or technical in nature. The natural sciences aspect of this department deals with earth sciences as well as geomorphology and weather requiring wet laboratories. The technical aspect employs geographical information systems requiring modified computer laboratory setups. The social science topics primarily need classroom space.

Because GES is a varied discipline, so too are the research space requirements. Faculty were split into two groups – those that require space for equipment and specimens and those that need computational type research spaces. Faculty requiring a wet-lab need 400 ASF per person whereas faculty needing computational space only need about 160 ASF per person. Those requiring larger spaces need fume hoods, water, air and gases. Storage (both cold and regular) is important as core specimens are collected. Many of these specimens are 6 feet long and a foot in diameter.

5 • Geography & Earth Science

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							1,808
5A	Department Chair's Office	1	120	120	1	120	120
5B	Ranked Faculty Office	1	120	120	7	840	840
5C	Future Ranked Faculty Office	1	120	120	2	240	240
5D	Lab Support Staff	1	120	120	1	120	120
5E	Support Staff / Reception Area / Files						248
	Academic Department Associate	1	80	80	1	80	
	Student Workers	1	35	35	1	35	
	Reception Area	4	25	100	1	100	
	Lateral Files	3	11	33	1	33	
5F	Office Storage			120	1	120	120
5G	Workroom			120	1	120	120
TEACHING LABORATORY SPACE (210s)							6,880
5H	Earth Science Laboratory	30	43	1,280	1	1,280	1,280
5I	Geomorphology & Weather	30	43	1,280	1	1,280	1,280
5J	Introductory GIS Laboratory	30	43	1,280	1	1,280	1,280
5K	Advanced GIS Laboratory						1,760
5K1	Main Laboratory	36	44	1,600	1	1,600	
5K2	Server Room			160	1	160	
5L	Laboratory Support (5H and 5I)						1,280
5L1	Earth Science Prep Storage			320	1	320	
5L2	Geomorphology Prep Storage			320	1	320	
5L3	Geography Storage			480	1	480	
5L4	Cold Room			160	1	160	
RESEARCH LABORATORY SPACE (250s)							2,640
5M	Faculty / Student Research (standard)	1	400	400	5	2,000	2,000
5N	Faculty / Student Research (computational)	1	160	160	4	640	640
OTHER DEPARTMENTAL SPACE (400s - 700s)							360
5O	General Lab / Departmental Storage			120	3	360	360
SPACES INCLUDED ELSEWHERE:							
	Conference Room (to be shared)	16	30	480			
	GIS Office (included as part of office space)			120			
	Shared Field Equipment Storage (see Misc. Instructional Spaces)			1,280			
TOTAL UNIT'S ASF						11,688	

Mathematics Department - 6

The Mathematics Department serves the entire constituency at UW-L by teaching numerous core courses in addition to cultivating its own majors. The majority of its space needs are for classrooms and office space; however it does have need of some laboratory and research space and a resource library area.

6K Laboratory - Math Education

This space operates much like a classroom with the exception that it needs perimeter storage, flexible seating, and maybe running water. This space is used to teach students the methods of instructing mathematics at the K-12 level. The perimeter storage is for educational manipulatives as well as other curriculum resources. A flexible table and chair environment aids in student collaboration. The need for running water is to be discussed after enumeration.

6L Math Research Team Rooms / Collaboratorium

These spaces are redesigned to be flexible in nature and not necessarily checked out to one particular faculty member, although on a short term basis, the department would need to decide if that could be accommodated. This space would be used by both faculty and majors for research projects. Ideally the space itself would be designed flexibly so that it could be either small spaces or one larger space.

6M Undergraduate Research / Library

This space currently exists in Cowley Hall. This resource area provides books, computers, and a space for students to work together on projects with other students or faculty.

6 • Mathematics Department

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							4,988
6A	Department Chair's Office	1	120	120	1	120	120
6B	Ranked Faculty Office	1	120	120	24	2,880	2,880
6C	Future Ranked Faculty Office	1	120	120	3	360	360
6D	Lecturer - Full time	1	120	120	5	600	600
6E	Lecturer - Part time	1	60	60	2	120	120
6F	Lab Support Staff	1	120	120	1	120	120
6G	Support Staff / Reception Area / Files						428
	Academic Department Associate	1	80	80	1	80	
	Future Office Staff	1	80	80	1	80	
	Student Workers	1	35	35	1	35	
	Reception Area	8	25	200	1	200	
	Lateral Files (lockable, secure)	3	11	33	1	33	
6H	Graduate Students	2	60	120	1	120	120
6I	Workroom			120	1	120	120
6J	Office Storage			120	1	120	120
TEACHING LABORATORY SPACE (210s)							3,200
6K	Laboratory - Math Education Space (may need running water)	40	40	1,600	2	3,200	3,200
RESEARCH LABORATORY SPACE (250s)							720
6L	Math Research Team Rooms / Collaboratorium	8	30	240	3	720	720
OTHER DEPARTMENTAL SPACE (400s - 700s)							1,215
6M	Undergraduate Research / Library						1,095
	Bookshelves	20	4	80	1	80	
	Comfortable Seating	6	40	240	1	240	
	Computer Stations	1	35	35	5	175	
	Tables and Chairs	1	30	30	20	600	
6N	General Lab Storage			120	1	120	120
SPACES INCLUDED ELSEWHERE:							
	Conference Room (to be shared)	20	30	600			
	Testing Room (see Misc. Instructional Support Spaces)			120			
TOTAL UNIT'S ASF						10,123	

Microbiology Department - 7

The Microbiology Department and its major is distinct in that most comprehensive universities do not have a major in this discipline. Not only is there a major but there are four different tracks and two MS concentrations. For the undergraduate, the Department offers general microbiology and microbiology with concentrations in biomedicine, environmental science, and business. The M.S. Biology program has two concentrations in microbiology – general and clinical microbiology. The Clinical Laboratory Science major is also housed in this department. Research is conducted in the areas of food microbiology, microbial genetics, virology, environmental microbiology, immunology and pathogenic bacteriology.

Microbiology currently has four teaching laboratories – introductory microbiology; food safe microbiology (food, fermentation, and general education); medical

Section 1

microbiology (immunology, pathogenic bacteriology, medical mycology and virology); and microbial genetics and physiology (microbial genetics, bacterial physiology, bacterial diversity, and aquatic microbial ecology). The medical microbiology lab needs to be separated into two different labs as the four areas of study do not co-habitate with each other due to cross-contamination concerns.

Research space needs were based on three different laboratory sizes. The lab sizes were established upon types of research being conducted and equipment needed inside the lab. There are two core facilities that are needed by Microbiology that are under other units as core facilities to be shared – the space needed for DNA amplification by the Polymerase Chain Reaction (PCR) and the Radioisotope laboratory.

7 • Microbiology Department

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							3,403
7A	Department Chair's Office	1	120	120	1	120	120
7B	Ranked Faculty Office	1	120	120	6	720	720
7C	Future Ranked Faculty Office	1	120	120	1	120	120
7D	Lecturer - Full time	1	120	120	5	600	600
7E	Support Staff / Reception Area / Files						283
	Academic Department Associate	1	80	80	1	80	
	Student Workers	1	35	35	2	70	
	Reception Area	4	25	100	1	100	
	Lateral Files	3	11	33	1	33	
7F	Graduate Assistants / Students	2	60	120	9	1,080	1,080
7G	Office Storage			120	1	120	120
7H	Lab Support Staff	1	120	120	3	360	360
TEACHING LABORATORY SPACE (210s)							10,240
7I	Fundamental Microbiology	20	64	1,280	1	1,280	1,280
7J	Path Bact / Med Mycology	24	53	1,280	1	1,280	1,280
7K	Bact Phy / Genetics / Micro Eco	24	53	1,280	1	1,280	1,280
7L	Gen Ed / Food Micro / Nutrition	24	53	1,280	1	1,280	1,280
7M	Immunology / Virology	24	53	1,280	1	1,280	1,280
7N	Laboratory Support (7I - 7M)						3,840
7N1	Gen Microbiology Prep / Autoclave (includes lab prep vestibule for student workers)			1,600	1	1,600	
7N2	Tissue Culture			320	1	320	
7N3	Centrifuge Room			480	1	480	
7N4	Fermentation Lab			800	1	800	
7N5	Cold Room			160	1	160	
7N6	Equipment/Instrument Room and Storage			480	1	480	
RESEARCH LABORATORY SPACE (250s)							5,760
7O	Faculty / Student Research (large)	1	960	960	3	2,880	2,880
7P	Faculty / Student Research (medium large)	1	640	640	3	1,920	1,920
7Q	Faculty / Student Research (standard)	1	480	480	2	960	960
OTHER DEPARTMENTAL SPACE (400s - 700s)							360
7R	General Lab / Departmental Storage			120	3	360	360
SPACES INCLUDED ELSEWHERE:							
	Workroom (to be shared with Biology)			120			
	Conference Room (to be shared)	18	30	540			
	PCR - shared with Biology			320			
	Radioisotope Lab - 319 (moved to the Radiation Center)			160			
						TOTAL UNIT'S ASF	19,763

Physics Department - 8

The Physics program at UW-L is one of the top in the country, recently being recognized by the American Institute of Physics as one of the best programs in the country and consistently in the top ten institutions for awarding the most Bachelor of Science in Physics degrees. A dual degree in physics/engineering is also available. The program features emphasis in the following areas: astronomy, optics, and computational physics. Concentrations in business and biomedical engineering and biomechanics are available. Research opportunities exist in laser physics, nuclear physics, biomechanics, materials science, and computational physics.

In the future and with newer facilities, the Physics program intends on adding a studio lab environment for teaching. This is an environment where lecture as well as lab activities occur in one room. Students work collaboratively to complete assignments. Many of Physics' other instructional laboratories are classified as open laboratories due to the types of use and lack of regular scheduling that occur in these labs. These labs are used: to support other laboratory activities; for experiments that are set up for weeks at a time; for independent student activities either as a group or individually; and/or to house special equipment. Included as open laboratories are the holography lab, optics lab, advanced/experimental physics lab, and a computational computer lab.

The research space requirements are quite varied among the faculty. Three research sizes were agreed upon – an extra-large lab at 1,280 ASF per faculty housing a lot of equipment and paraphernalia; research labs for experimentalists at 640 ASF per faculty; and a joint use theorist laboratory for three faculty members at 960 ASF (320 ASF per faculty).

Other space needs include a planetarium, rooftop observatory, and student organization space.

Section 1

Program Space Allocation

Cowley Hall Science Building

8 • Physics Department

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							1,902
8A	Department Chair's Office	1	120	120	1	120	120
8B	Ranked Faculty	1	120	120	7	840	840
8C	Future Ranked Faculty	1	120	120	1	120	120
8D	Lecturer - Part time	2	60	120	1	120	120
8E	Support Staff / Reception Area / Files						237
	Academic Department Associate	1	80	80	1	80	
	Student Workers	1	35	35	1	35	
	Reception Area	4	25	100	1	100	
	Lateral Files	2	11	22	1	22	
8F	Workroom			120	1	120	120
8G	Office Storage			120	1	120	120
8H	Lab Support Staff	1	120	120	1	120	120
8I	Student Workers (Lab Prep)	1	35	35	3	105	105
TEACHING LABORATORY SPACE (210s)							5,760
8J	Introductory Physics	30	64	1,920	1	1,920	1,920
8K	Electronics / Astronomy	30	43	1,280	1	1,280	1,280
8L	Studio Lab	24	53	1,280	1	1,280	1,280
8M	Laboratory Support (8J - 8L)						1,280
8M1	Introductory Prep & Storage			320	1	320	
8M2	Electronics Prep & Storage			320	1	320	
8M3	Studio Prep & Storage			640	1	640	
OPEN LABORATORY SPACE (220s)							3,680
8N	Holography Lab	6	53	320	1	320	320
8O	Optics Lab	24	40	960	1	960	960
8P	Advanced / Experimental Physics	24	53	1,280	1	1,280	1,280
8Q	Laboratory Support (8N - 8P)						640
8Q1	Optics Prep & Storage			320	1	320	
8Q2	Advanced Prep & Storage			320	1	320	
8R	Computational Computer Lab with Specialized Software	12	40	480	1	480	480
RESEARCH LABORATORY SPACE (250s)							5,440
8S	Faculty / Student Research (x-large)	1	1,280	1,280	2	2,560	2,560
8T	Faculty / Student Research (Theorists)	3	320	960	1	960	960
8U	Faculty / Student Research (Experimentalist)	1	640	640	3	1,920	1,920
OTHER DEPARTMENTAL SPACE (400s - 700s)							3,840
8V	Planetarium						1,830
8V1	Planetarium (two story space)	70	15	1,050	1	1,050	
8V2	Storage	1	120	120	2	240	
8V3	Prefunction / Welcome Area	1	500	500	1	500	
8V4	Display Cases	10	4	40	1	40	
8W	Rooftop Observatory						1,530
8W1	Telescopes	6	60	360	1	360	
8W2	Observation Platform	50	15	750	1	750	
8W3	Waiting Area	20	15	300	1	300	
8W4	Storage	1	120	120	1	120	
8X	General Lab / Departmental Storage			120	2	240	240
8Y	Student Organization Space (4 clubs)	2	60	120	2	240	240
SPACES INCLUDED ELSEWHERE:							
	Conference Room (to be shared)	12	30	360			
TOTAL UNIT'S ASF							20,622

Notes: Workshop Physics moved to Misc. Instructional Spaces as a Science Education methods laboratory

Radiation Center - 9

The Radiation Center is used by multiple programs. About half of the lab space is used for instructional support in the sciences. It is not always scheduled through the registrar's office but through the Center itself. The other half of the center is research space or research support space that supports two faculty members, one from Chemistry and the other from Physics. It is preferred that the Center be in the basement of the new facility.

9 • Radiation Center

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							120
9A	Director / Safety Officer	1	120	120	1	120	120
OPEN LABORATORY SPACE (220s)							2,720
9B	Sealed Source Lab	24	53	1,280	1	1,280	1,280
9C	Open Source Lab	24	53	1,280	1	1,280	1,280
9D	Laboratory Support - Stock Room			160	1	160	160
RESEARCH LABORATORY SPACE (250s)							2,560
9E	Shared Isotope Prep	1	400	400	1	400	400
9F	Faculty / Student Research (Chemistry)	1	400	400	1	400	400
9G	Faculty / Student Research (Physics)	1	1,280	1,280	1	1,280	1,280
9H	Laboratory Support						480
9H1	Special Instruments			267	1	267	
9H2	Nuclide Storage			160	1	160	
9H3	Neutron Howitzer			53	1	53	
TOTAL UNIT'S ASF						5,400	

River Studies Center - 10

The River Studies Center is a research program that started out studying the upper Mississippi River and its related resources. Over time the Center has expanded its program to other aquatic resources across Wisconsin, the Midwest region, and other parts of the United States. It has interdisciplinary partnerships with multiple state and federal agencies. It provides research opportunities to not only graduate students but undergraduate students.

The Center requires three laboratory areas. One is a faculty student research wet lab; another is a Class 100 clean lab, and the third is another faculty student lab area.

10 • River Studies Center

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
RESEARCH LABORATORY SPACE (250s)							3,520
10A	Faculty Student Research Wet Lab	1	1,440	1,440	1	1,440	1,440
10B	Class 100 Clean Research Lab	1	320	320	1	320	320
10C	Faculty Student Research	1	1,440	1,440	1	1,440	1,440
10D	Laboratory Support (10A - 10C)						320
10D1	Microscope - 11			160	1	160	
10D2	Fish Culture - 42D			160	1	160	
SPACES INCLUDED ELSEWHERE:							
Shared Field Equipment Storage (listed under Misc. Instructional Spaces)				1,280			
Shared Cold Room (listed under Biology)				160			
TOTAL UNIT'S ASF						3,520	

Section 1

This unit will share the field equipment storage facility (under Misc. Instructional Support Spaces) as well as the cold room listed under Biology.

College of Science and Health – Dean’s Office - 11

CSH’s Dean’s office is currently housed in Graff Main Hall and other administrative functions, such as advising, are located in Mitchell Hall. It is desired that the new facility will house the Dean’s suite.

11 • College of Science and Health – Dean’s Office

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
OFFICE SPACE (300s)							1,994
11A	Dean's Office	1	185	185	1	185	185
11B	Assoc. Dean's Offices	1	160	160	1	160	160
11C	Assistant to Dean's Office	1	120	120	1	120	120
11D	Dean's Assistant	1	120	120	1	120	120
11E	Assistant to Dean	1	120	120	1	120	120
11F	Program Assistant / Reception Area / Files						449
	Program Assistant	1	80	80	1	80	
	Support Staff/Student Workers	1	120	120	1	120	
	Reception Area	6	25	150	1	150	
	Lateral Files	9	11	99	1	99	
11G	Workroom <i>Copier, Supplies, Coffeemaker</i>			120	1	120	120
11H	Conference Room	12	30	360	1	360	360
11I	Storage (4 storage cabinets)	1	120	120	1	120	120
11J	Grad Assistant/Advisor	1	120	120	1	120	120
11K	Administrative Specialist	1	120	120	1	120	120
TOTAL UNIT'S ASF						1,994	

Building Support - 12

Most of the spaces outlined in this unit are typically included in the net to gross factor of a building. The primary and secondary arrival space not only includes the circulation space but is intended to include comfortable seating arrangements for students, faculty, and staff to mingle. It is also critical that the information technology group have a workspace/storage area in which to service the IT needs of the building.

12 • Building Support

Space No.	Functional Area	No. of Occupants	ASF per Occupant	ASF per Space	No. of Spaces	Total ASF	TOTAL AREA
12A	Arrival Space Primary			1,500	1	1,500	1,500
12B	Arrival Space Secondary			900	2	1,800	1,800
12C	Equipment Storage			500	1	500	500
12D	Supply Storage			400	1	400	400
12E	Custodial Maintenance Room			200	1	200	200
12F	Loading Dock			320	1	320	320
12G	Temporary Storage			640	1	640	640
12H	Building Recycling Collection Area			200	1	200	200
12I	Recycling Area			25	8	200	200
	<i>Two per floor to be shared by Building Occupants</i>						
12J	IT & Electric Closets			100	4	400	400
	<i>One per floor stacked</i>						
12K	Sustainability Support Space						0
12L	Custodial Closets			100	8	800	800
12N	IT Storage/Workroom			200	1	200	200
12O	Gender Neutral Restrooms	1	70	70	8	560	560
						TOTAL UNIT'S ASF	7,720

Comparison of Program Plan to Existing Space

On the following page is a table illustrating the amount of space programmed compared to the amount of existing space in Cowley Hall. As can be seen, shortages of space exist in every space category for every department. Currently there is a 49% deficit of space for these units. For the most part, existing teaching laboratories are utilized very well with little to no room for additional growth. There is a shortage of research space for faculty and students, and other departmental spaces are also in short supply.

Section 1

Program Space Allocation

Cowley Hall Science Building

Program Plan Summary Compared to Existing Space

Functional Area	PROGRAMMED		EXISTING		SURPLUS / (DEFICIT)		Difference as Percent of Programmed
	Total ASF	TOTAL AREA	Total ASF	TOTAL AREA			
1 • Classrooms		21,800		17,268		(4,532)	(21%)
2 • Misc. Instructional/Support Spaces		18,875		3,611		(15,264)	(81%)
Teaching Laboratory Space (210s)	3,240		2,334		(906)		(28%)
Open Laboratory Space (220s)	3,844		0		(3,844)		(100%)
Office Space (300s)	5,121		0		(5,121)		(100%)
Other Departmental Space (400S - 700s)	6,670		1,277		(5,393)		(81%)
3 • Biology Department		49,708		19,588		(30,120)	(61%)
Office Space (300s)	8,498		3,454		(5,044)		(59%)
Teaching Laboratory Space (210s)	19,200		9,111		(10,089)		(53%)
Open Laboratory Space (220s)	480		430		(50)		(10%)
Research Laboratory Space (250s)	13,200		4,592		(8,608)		(65%)
Other Departmental Space (400S - 700s)	8,330		2,001		(6,329)		(76%)
4 • Chemistry Department		36,936		21,987		(14,949)	(40%)
Office Space (300s)	4,496		3,093		(1,403)		(31%)
Teaching Laboratory Space (210s)	24,160		14,204		(9,956)		(41%)
Open Laboratory Space (220s)	1,320		1,335		15		1%
Research Laboratory Space (250s)	6,600		3,184		(3,416)		(52%)
Other Departmental Space (400S - 700s)	360		171		(189)		(53%)
5 • Geography & Earth Science		11,688		9,407		(2,281)	(20%)
Office Space (300s)	1,808		1,805		(3)		(0%)
Teaching Laboratory Space (210s)	6,880		6,367		(513)		(7%)
Research Laboratory Space (250s)	2,640		868		(1,772)		(67%)
Other Departmental Space (400S - 700s)	360		367		7		2%
6 • Mathematics Department		10,123		5,977		(4,146)	(41%)
Office Space (300s)	4,988		3,867		(1,121)		(22%)
Teaching Laboratory Space (210s)	3,200		1,564		(1,636)		(51%)
Research Laboratory Space (250s)	720		0		(720)		(100%)
Other Departmental Space (400S - 700s)	1,215		546		(669)		(55%)
7 • Microbiology Department		19,763		9,124		(10,639)	(54%)
Office Space (300s)	3,403		1,630		(1,773)		(52%)
Teaching Laboratory Space (210s)	10,240		5,416		(4,824)		(47%)
Research Laboratory Space (250s)	5,760		2,031		(3,729)		(65%)
Other Departmental Space (400S - 700s)	360		47		(313)		(87%)
8 • Physics Department		20,622		12,025		(8,597)	(42%)
Office Space (300s)	1,902		1,378		(524)		(28%)
Teaching Laboratory Space (210s)	5,760		4,955		(805)		(14%)
Open Laboratory Space (220s)	3,680		948		(2,732)		(74%)
Research Laboratory Space (250s)	5,440		2,805		(2,635)		(48%)
Other Departmental Space (400S - 700s)	3,840		1,939		(1,901)		(50%)
9 • Radiation Center		5,400		3,241		(2,159)	(40%)
Office Space (300s)	120		127		7		6%
Open Laboratory Space (220s)	2,720		2,703		(17)		(1%)
Research Laboratory Space (250s)	2,560		411		(2,149)		(84%)
10 • River Studies Center		3,520		2,727		(793)	(23%)
Research Laboratory Space (250s)	3,520		2,727		(793)		(23%)
11 • College of Science and Health – Dean's Office		1,994		763		(1,231)	(62%)
Office Space (300s)	1,994		763		(1,231)		(62%)
12 • Building Support	7,720	7,720	1,410	1,410	(6,310)	(6,310)	(82%)
TOTAL NET USABLE SQUARE FEET		208,149		107,128		(101,021)	(49%)



Section 2

Teaching Laboratory Analysis

2.0 TEACHING LABORATORY ANALYSIS

Methodology and Assumptions

As an integral component of determining the number of teaching laboratories needed at the target enrollment mix, an analysis of the individual laboratories was completed. For the most part, the analysis is in step with the space quantification in the pre-design study. The underlying growth assumptions are as follows:

Fall Student Credit Hour Projections

		2008	2009		2015		2020	
		Student Credit Hours	Student Credit Hours	Percent Change (08 to 09)	Student Credit Hours	Percent Change from '09	Student Credit Hours	Percent Change from '09
Biology	Undergraduate	9,811	9,824	0%	10,122	3%	10,352	5%
	Graduate	252	262	4%	262	0%	262	0%
	Total	10,063	10,086	0%	10,384	3%	10,614	5%
Chemistry	Undergraduate	6,743	6,506	(4%)	6,698	3%	6,846	5%
Geography / Earth Science	Undergraduate	2,688	2,800	4%	2,883	3%	2,946	5%
Microbiology	Undergraduate	2,076	1,938	(7%)	1,998	3%	2,044	5%
	Graduate	119	84	(29%)	84	0%	84	0%
	Total	2,195	2,022	(8%)	2,082	3%	2,128	5%
Mathematics	Undergraduate	8,915	9,713	9%	10,000	3%	10,221	5%
Physics	Undergraduate	2,519	2,725	8%	2,806	3%	2,868	5%
TOTAL	Undergraduate	32,752	33,506	2%	34,507	3%	35,277	5%
	Graduate	371	346	(7%)	346	0%	346	0%
TOTAL		33,123	33,852	2%	34,853	3%	35,623	5%

The student credit hour projections shown in the table above were provided by discipline from UW-L. The projection is a straight line projection of five percent (5%) growth from Fall 2009 to 2020 in undergraduate credit hour production for all disciplines. There is no graduate growth projected. However in reviewing the total, undergraduate plus graduate student credit hours, it still results in a projected five percent (5%) growth. This growth percentage was used to project the number of students for each course.

In projecting enrollments on a course-by-course basis, the projected course enrollment was always rounded up. For example, for Fall 2009, there were 16 sections of BIO 312 with a total enrollment of 383 students. Increasing the 383 students by five percent creates 402.15 students. Rounded, this calculation produces 403 students.

Second, the number of stations programmed per room is a product of pedagogy. For 14 labs (35% of the 40 labs programmed) the number of seats increased from the existing number of seats in the current laboratory. This increase was anywhere between two to six seats per lab. As a percent of existing capacity, these increases ranged anywhere from a 7% to a 33% increase – the most common being a 20% increase. The net result of the increase in stations (most commonly from 20 to 24 seats per lab) combined

with the increased course enrollments is that for many courses, the number of sections to be taught does not increase as the projected capacity of the lab will accommodate the increased enrollments. In fact, in a few cases it reduces the number of sections needed.

Finally, the University of Wisconsin System utilization goals for teaching laboratories are 24 weekly room hours (WRH) at 80% student station occupancy. This results in a weekly seat hour goal of 19.20 hours per seat (24 WRH X 80% occupancy rate). As can be seen in the Teaching Laboratory Analysis following, most of the units average over 80% occupancy rates. During the last on-site work session it was decided that the sciences wanted to achieve higher occupancy rates. The end result is that the capacities of the courses were raised to just a couple below the capacity of the room ending in occupancy rates ranging from 85% to over 90%. Planning for occupancy rates, this high allows for the lowering of weekly room hours for some rooms — the outcome of which is maintaining the 19.20 seat hour target. Throughout the Teaching Laboratory Analysis these adjustments were made on a room by room basis.

Comparison of Program to the Teaching Laboratory Analysis

The Teaching Laboratory Analysis projects how many laboratories are needed based on the courses taught in a particular lab for that discipline. It does not make adjustments for changes in pedagogy or curriculum. What is important in the analysis is the bottom line for each discipline. For example, Biology is showing a need for 11 teaching laboratories, which is the number of laboratories allocated; however, the breakout of those labs is different between the analysis and the program. The analysis calculates a need for four introductory biology labs and two anatomy/physiology labs for a total of six labs, but the program shows a need for three introductory biology labs and three anatomy/physiology labs. The program is taking into consideration that the introductory biology labs can be scheduled more hours with minimal

impact on overall scheduling and faculty load, but the anatomy/physiology labs have more scheduling and faculty constraints and will require three labs to accommodate the curriculum and scheduling issues

For all disciplines the number of laboratories projected is the number of labs programmed, except for Chemistry. In Chemistry, the one lab that did not project the same number of labs as the program is analytical chemistry. This lab shows projected use of 31 hours, which can be accommodated in a single lab and its supporting space. Chemistry had a couple of other labs that showed projected use of 25 and 31 hours, biochemistry and organic chemistry respectively. In both of

Comparison of Program to Teaching Laboratory Analysis

	Fall 2009 Existing		Building Program		Increase / Decrease		Comparison of Program to Analysis	
	No. of Labs	No. of Stations	No. of Labs	No. of Stations	No. of Labs	No. of Stations	Projected No. of Labs*	Difference
Biology	7	190	11	264	+4	+74	11	+0
Chemistry	8	171	13	312	+4	+141	12	+1
Geography & Earth Science	4	134	4	126	+0	-8	4	+0
Mathematics	2	90	2	80	+0	-10	2	+0
Microbiology	4	96	5	116	+1	+20	5	+0
Physics	4	116	5	148	+1	+32	5	+0
TOTAL	29	797	40	1,046	+10	+249	39	+1

*From Teaching Laboratory Analysis

these cases, the number of labs projected reflect the level of study and the types of activity (scheduled and non-scheduled) that is expected to occur in them. Argument could be made either way as to whether or not two analytical labs are needed. When the program space allocation is revisited after project enumeration, additional meetings with faculty can occur to clarify these issues.

Teaching Laboratory Analysis Detail

The following eight pages show the detail of the teaching laboratory analysis. The analysis is grouped by program and then by a combination of laboratory discipline and room number. For each lab, the fall and spring term utilization is shown. On a lab-by-lab basis, the courses from the heaviest scheduled term are the courses used to illustrate that term's use and projected use. The actual number of sections, course capacity, weekly room hours (WRH) and total enrollment for each course are listed. Then the enrollments are increased by five percent (5%) and the course capacities are revised so that a 90% or better student station occupancy is achieved based upon the projected size of the laboratory. Achieving a high student station occupancy rate was discussed and subsequently approved by University officials.

The projected enrollment is divided by the revised course capacity so that the number of sections can be determined. The number of sections is multiplied by the weekly room hours for the course (based upon the actual WRH from the fall or spring term) so that the total weekly room hours can be calculated. The total WRH is divided by an adjusted weekly room hour goal ranging from 19 hours per week to as high as 24 hours per week. The hours are adjusted relative to the projected student station occupancy which ranges anywhere from 80% to as high as 95%.

Section 2

Biology

		Actual							Projected					
Room Id	Station Count	Term	Course	Course Title	No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed	
CH 0112 Anatomy / Physiology	24	Fall 2009	BIO 312	Human Anatomy & Physiology I	16	24	2	32	383	403	22	19	38	
		Spring 2010	BIO 313	Human Anatomy & Physiology II	5	24	2	10	110	116	22	6	12	
		Total		21	42	493	519	25	50	2				
		Fall 2009	20 Weekly Room Hours - 84% Student Station Occupancy											
		Spring 2010	10 Weekly Room Hours - 94% Student Station Occupancy											
CH 0316 Aquatics	18	Fall 2009	BIO 341	Limnology	2	14	3	6	28	29	18	2	6	
			BIO 406/506	Parasitology	2	18	4	8	35	37	18	3	12	
			BIO 422/522	Ichthyology	2	18	2	4	22	23	18	2	4	
			BIO 419/519	Ouan Meth Ecology	1	18	2	2	18	19	18	2	4	
Total		7	20	103	108	9	26	1						
CH 0325 Animal / Organizational	30	Fall 2009	10 Weekly Room Hours - 83% Student Station Occupancy											
		Spring 2010	24 Weekly Room Hours - 73% Student Station Occupancy											
		Spring 2010	BIO 203	Organismal Biology	6	25	2	12	100	105	22	5	10	
			BIO 210	Animal Biology	6	27	2	12	161	169	22	8	16	
Total		12	24	261	274	13	26	1						
CH 0331 Botany	24	Fall 2009	14 Weekly Room Hours - 79% Student Station Occupancy											
		Spring 2010	14 Weekly Room Hours - 102% Student Station Occupancy											
		Spring 2010	BIO 204	Plant Biology	5	24	2	10	127	134	22	7	14	
			BIO 408/508	Developmental Bio	1	24	4	4	22	23	22	2	8	
Total		6	14	149	157	9	22	1						
CH 0348 Introductory Bio	36	Fall 2009	44 Weekly Room Hours - 78% Student Station Occupancy											
		Spring 2010	24 Weekly Room Hours - 59% Student Station Occupancy											
		Fall 2009	BIO 105	General Biology	22	28	2	44	614	646	24	27	54	
Total		22	44	614	646	27	54	2						
CH 0354 Introductory Bio	38	Fall 2009	34 Weekly Room Hours - 72% Student Station Occupancy											
		Spring 2010	25 Weekly Room Hours - 50% Student Station Occupancy											
		Fall 2009	BIO 103	Intro Biology	11	28	2	22	296	311	24	13	26	
			BIO 105	General Biology	6	28	2	12	168	177	24	8	16	
Total		17	34	464	488	21	42	2						

Biology

Room Id	Station Count	Term	Course	Course Title	Actual					Projected						
					No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed			
CH 0355 Cell / Genetics	20	Fall 2009:	39	Weekly Room Hours	-	99%	Student Station Occupancy									
		Spring 2010:	34	Weekly Room Hours	-	101%	Student Station Occupancy									
		Fall 2009	BIO 306	Genetics	7	20	2	14	138	145	20	8	16			
			BIO 315	Cell Biology	6	20	3	19	119	125	20	7	21			
			BIO 436/536	Molecular Bio Lab	2	20	3	6	41	43	20	3	9			
			Total		15		39	298	313			18	46	2		
			TOTAL		100		217	2,382	2,505			122	266	11		

Existing No. of Student Stations: 190
 Existing No. of Laboratories: 7

Projected No. of Teaching Laboratories: 11
 Programmed No. of Teaching Laboratories: 11
 Programmed No. of Student Stations: 264

Average 27

Section 2

Chemistry

		Actual										Projected			
Room Id	Station Count	Term	Course	Course Title	No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Enrollment	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed
CH 0402	24	Fall 2009:	40 Weekly Room Hours	- 91% Student Station Occupancy											
		Spring 2010:	28 Weekly Room Hours	- 101% Student Station Occupancy											
		Fall 2009	CHM 103	General Chem I	13	24	3	40	285	300		22	14	43	2
				Total	13			40	285	300			14	43	
CH 0410	24	Fall 2009:	32 Weekly Room Hours	- 96% Student Station Occupancy											
		Spring 2010:	34 Weekly Room Hours	- 97% Student Station Occupancy											
		Spring 2010	CHM 103	General Chem I	6	24	3	19	149	157		22	8	25	
			CHM 104	General Chem II	5	22	3	16	106	112		22	6	19	
				Total	11			34	255	269			14	43	2
CH 0420	24	Fall 2009:	25 Weekly Room Hours	- 99% Student Station Occupancy											
		Spring 2010:	40 Weekly Room Hours	- 91% Student Station Occupancy											
		Fall 2009	CHM 104	General Chem II	8	22	3	25	190	200		22	10	31	1
				Total	8			25	190	200			10	31	
CH 0407	20	Fall 2009:	25 Weekly Room Hours	- 101% Student Station Occupancy											
		Spring 2010:	25 Weekly Room Hours	- 96% Student Station Occupancy											
		Fall 2009	CHM 325	Survey Biochemistry	4	20	3	12	80	84		22	4	12	
			CHM 417 / 517	Biochemistry I	4	20	3	12	81	85		22	4	12	
				Total	8			25	161	169			8	25	2
CH 0412	20	Fall 2009:	20 Weekly Room Hours	- 92% Student Station Occupancy											
		Spring 2010:	16 Weekly Room Hours	- 86% Student Station Occupancy											
		Fall 2009	CHM 300	Survey Organic Chem	5	22	4	20	92	97		22	5	20	1
				Total	5			20	92	97			5	20	
CH 0460	20	Fall 2009:	25 Weekly Room Hours	- 63% Student Station Occupancy											
		Spring 2010:	31 Weekly Room Hours	- 93% Student Station Occupancy											
		Spring 2010	CHM 305	Organic Chem Lab	5	22	6	31	93	98		22	5	31	2
				Total	5			31	93	98			5	31	2
CH 0425	24	Fall 2009:	25 Weekly Room Hours	- 107% Student Station Occupancy											
		Spring 2010:	25 Weekly Room Hours	- 88% Student Station Occupancy											
		Fall 2009	CHM 301	Analytical Chem	4	22	6	25	103	108		22	5	31	1
				Total	4			25	103	108			5	31	1

Chemistry

Room Id	Station Count	Term	Course	Course Title	Actual					Projected							
					No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed				
CH 0455	15	Fall 2009:	3 Weekly Room Hours	- 15% Student Station Occupancy													
		Spring 2010:	9 Weekly Room Hours	- 93% Student Station Occupancy													
Total					3	22	3	9	42	44	22	2	6	1			
TOTAL					57		208	1,221	1,285	63	231	12					
Existing No. of Student Stations: 171																	
Existing No. of Laboratories: 8																	
Projected No. of Teaching Laboratories: 12																	

Average	21	Fall 2009:	24 Weekly Room Hours	- 92% Student Station Occupancy													
		Spring 2010:	26 Weekly Room Hours	- 94% Student Station Occupancy													

Programmed No. of Teaching Laboratories: 13
 Programmed No. of Student Stations: 312

Section 2

Geography & Earth Science

		Actual										Projected			
Room Id	Station Count	Term	Course	Course Title	No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed	
CH 0204A Intro GIS	42	Fall 2009:	ESC 101	Earth Environments	6	30	2	12	183	193	28	7	14		
		Spring 2010:	GEO 250	Fund Cartography	1	30	2	2	30	32	28	2	4		
			ESC 221	Intro Climate/Sytm	1	30	2	2	25	26	28	1	2		
		Total			8			16	238	251		10	20	1	
CH 0217 Earth Science	30	Fall 2009:	ESC 101	Earth Environments	4	30	2	8	121	129	28	5	10		
		Spring 2010:	ESC 221 01	Intro Climate/Sytm	1	30	3	3	25	26	28	1	3		
			ESC 221 10L	Intro Climate/Sytm	1	30	2	2	25	26	28	1	2		
			ESC/GEO 250	Fund Cartography	2	30	2	4	60	64	28	3	6		
	GEO 401 01	Focus Geo:Capstone	1	25	1	1	17	18	25	1	1				
	CST 230	Interpersonal Comm	2	25	3	6	50	n/a							
Total	11	24	298	263	11	22	1								
CH 0245 Advanced GIS	30	Fall 2009:	ESC/GEO 385	Intro to GIS	2	30	2	4	46	48	32	2	4		
		Spring 2010:	ESC/GEO 440	Interpret Aerial Photographs	2	18	2	4	40	42	32	2	4		
			ESC/GEO 445	Advanced Remote Sensing	1	22	3	3	18	19	32	1	3		
			ESC/GEO 455	Applied Map Design	2	24	2	4	25	26	32	2	4		
	GEO 485/585	Advanced GIS	1	24	3	3	20	21	24	1	3				
Total	8	18	149	156	8	18	1								
CH 0256 Geomorphology & Weather	32	Fall 2009:	ESC 101	Earth Environments	2	30	2	4	62	65	28	3	6		
		Spring 2010:	ESC/GEO 390	Geographic Field Methods	1	14	3	3	18	19	24	1	3		
			ESC/GEO 425	Biogeography	1	22	3	3	15	16	24	1	3		
		Total	10	22	289	303	11	24	1						
TOTAL	37	80	974	973	40	84	4								

Existing No. of Student Stations: 134
Existing No. of Laboratories: 4

Projected No. of Teaching Laboratories: 4

Mathematics

Room Id	Station Count	Term	Course	Course Title	Actual						Projected			
					No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed	
CH 0041 Math Education	48	Fall 2009:	MTH 150	College Algebra	1	38	4	4	40	42	38	2	8	
		Spring 2010:	MTH 151	Precalculus	3	38	4	12	110	116	38	4	16	
			CI 364	Meth-Math-Cptr-Sci	1	20	3	3	14	15	20	1	3	
			MTH 171	Geometry-Elem Tchr	1	30	3	3	20	21	30	1	3	
			EDS 422/522	Tch Mthsci2 ECMCEA	2	30	2	4	53	56	30	2	4	
Total					8		26	237	250		10	34		
CH 0043 Math Education	42	Fall 2009:	22 Weekly Room Hours	- 89% Student Station Occupancy										
		Spring 2010:	23 Weekly Room Hours	- 55% Student Station Occupancy										
		Fall 2009	MTH 125	Math Elem Tchrs I	2	38	4	8	76	80	38	3	12	
			MTH 150	College Algebra	1	38	4	4	43	45	38	2	8	
			MTH 207	Calculus I	2	30	5	10	70	74	30	3	15	
Total					5		22	189	199		8	35		

Existing No. of Student Stations: 90
Existing No. of Laboratories: 2

Projected No. of Teaching Laboratories: 2

Fall 2009: 24 Weekly Room Hours - 76% Student Station Occupancy
Spring 2010: 21 Weekly Room Hours - 54% Student Station Occupancy

Programmed No. of Teaching Laboratories: 2
Programmed No. of Student Stations: 80

Average 45

TOTAL 13

TOTAL 48

TOTAL 426

TOTAL 449

TOTAL 18

TOTAL 69

TOTAL 2

Section 2

Microbiology

		Actual										Projected				
Room Id	Station Count	Term	Course	Course Title	No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	No. of Labs Needed		
CH 0302	18	Fall 2009:	32 Weekly Room Hours	- 102% Student Station Occupancy												
		Spring 2010:	32 Weekly Room Hours	- 103% Student Station Occupancy												
		Spring 2010	MIC 230	Fund Microbiology	8	18	4	32	149	157	18	9	36	2		
				Total	8			32	149	157		9	36	2		
CH 0308	30	Fall 2009:	16 Weekly Room Hours	- 65% Student Station Occupancy												
		Spring 2010:	12 Weekly Room Hours	- 69% Student Station Occupancy												
		Fall 2009	MIC 406/506	Immunology	2	22	4	8	45	47	22	3	12			
			MIC 407	Pathogenic Bact	1	22	4	4	17	18	22	1	4			
			MIC 421/521	Virology Lab	1	19	4	4	16	17	22	1	4			
				Total	4			16	78	82		5	20	1		
CH 0314	24	Fall 2009:	16 Weekly Room Hours	- 57% Student Station Occupancy												
		Spring 2010:	15 Weekly Room Hours	- 62% Student Station Occupancy												
		Fall 2009	MIC 416/516	Microbial Genetics	2	16	6	12	28	29	22	2	12			
			MIC 350	Bacterial Diversity	1	18	3	3	12	13	18	1	3			
				Total	3			15	40	42		3	15	1		
CH 0320	24	Fall 2009:	12 Weekly Room Hours	- 67% Student Station Occupancy												
		Spring 2010:	10 Weekly Room Hours	- 58% Student Station Occupancy												
		Fall 2009	MIC 100	Microbes & Society	6	18	2	12	50	53	20	3	6			
				Total	6			12	50	53		3	6	1		
				TOTAL	21			75	317	334		20	77	5		
					Existing No. of Student Stations: 96											
					Existing No. of Laboratories: 4											
					Projected No. of Teaching Laboratories: 5											

Average	24	Fall 2009:	19 Weekly Room Hours	- 79% Student Station Occupancy										5
		Spring 2010:	17 Weekly Room Hours	- 82% Student Station Occupancy										116

Physics

Room Id	Station Count	Term	Course	Course Title	Actual						Projected						
					No. of Sections	Course Capacity	Weekly Room Hours	Total WRH	Enrollment	Revised Course Capacity	No. of Sections	Total WRH	Enrollment	No. of Labs Needed			
CH 0210 Advanced Physics	20	Fall 2009:	3 Weekly Room Hours	- 47% Student Station Occupancy													
		Spring 2010:	4 Weekly Room Hours	- 70% Student Station Occupancy													
		Spring 2010	PHY 311	Experimental Phys	1	20	4	4	14	15	22	1	4	15	22	1	4
		Total			1			4	14	15		1	4	15		1	4
CH 0214 Intro Physics	28	Fall 2009:	32 Weekly Room Hours	- 91% Student Station Occupancy													
		Spring 2010:	28 Weekly Room Hours	- 78% Student Station Occupancy													
		Fall 2009	PHY 103	Fund Physics I	11	26	2	22	292	307	26	12	24	307	26	12	24
		PHY 125	Phys for Life Sci	2	26	2	4	48	51	26	2	4	51	26	2	4	
PHY 203	General Physics I	3	24	2	6	68	72	24	3	6	72	24	3	6			
Total				16		32	408	430		17	34	430		17	34		
CH 0220 Electronics / Astronomy	28	Fall 2009:	9 Weekly Room Hours	- 77% Student Station Occupancy													
		Spring 2010:	10 Weekly Room Hours	- 65% Student Station Occupancy													
		Spring 2010	PHY 334	Elec Circuits	2	18	2	4	36	38	24	2	4	38	24	2	4
		PHY 160	Stars Galax & Univ	3	24	2	6	55	58	24	3	6	58	24	3	6	
Total				5		10	91	96		5	10	96		5	10		
CH 0221 Science Education Methods	40	Fall 2009:	5 Weekly Room Hours	- 100% Student Station Occupancy													
		Spring 2010:	5 Weekly Room Hours	- 103% Student Station Occupancy													
		Spring 2010	PHY 106	Physci Sci Educatr	1	40	5	5	41	43	40	2	10	43	40	2	10
		Total			1		5	41	43		2	10	43		2	10	
TOTAL				23		51	554	584		25	58	584		25	58		

Existing No. of Student Stations: 116
Existing No. of Laboratories: 4

Projected No. of Teaching Laboratories: 5

Programmed No. of Teaching Laboratories: 5
Programmed No. of Student Stations: 148

Average	29
Fall 2009:	21 Weekly Room Hours - 88% Student Station Occupancy
Spring 2010:	19 Weekly Room Hours - 74% Student Station Occupancy



Section 3

Teaching Laboratory Utilization Analysis

3.0 TEACHING LABORATORY UTILIZATION ANALYSIS

How is Utilization Determined?

The utilization of teaching laboratories was examined using UW-L Fall 2009 and Spring 2010 course and facilities data. Understanding how teaching laboratories are scheduled and utilized provides the foundation for determining how many teaching labs are needed. The number of student stations for each teaching lab was initially provided in the facilities inventory and adjusted based upon field observation of the consultants. Scheduled use is defined as use verifiable through the registrar's course data.

The utilization analysis reviews average weekly room hour use and student station occupancy percentages. A weekly room hour, not to be confused with a credit hour, is defined as the length of time a course meets (end time minus start time) times the number of days per week throughout the semester. Student station occupancy is defined as the number of student seats filled divided by the total number of student seats in the room when the room is scheduled.

The utilization of a room is determined by calculating the average enrollment of the courses taught in a room along with total weekly student contact hours, weekly room hours, and student station occupancy percentage. Weekly student contact hours are calculated by multiplying the enrollment of a course by the weekly contact, or room hours, during which the course is held. Weekly room/contact hours are determined by calculating the number of hours a course meets (start and end times) and multiplying the result by the number of days the course meets each week. Both of these factors are totaled on a room-by-room basis. If a course does not meet for a full term, the number of hours for a room is prorated by the number of weeks in a term.

WEEKLY ROOM/CONTACT HOURS (WRH OR WCH) = No. of Days X ((End Time - Start Time)/60)

WEEKLY STUDENT CONTACT HOURS (WSCH) = Students X Weekly Room/Contact Hours

WEEKLY STUDENT CONTACT HOUR CAPACITY = Student Stations X Weekly Room/Contact Hours

STUDENT STATION OCCUPANCY % = WSCH / WSCH Capacity

HOURS PER SEAT = WSCH / No. of Student Stations

The student station occupancy for a room is determined by dividing the room's weekly student contact hours by the room's weekly student contact hour capacity (a course's weekly contact hours times the room's number of student stations).

Teaching Laboratories Defined

Teaching laboratories are defined as rooms used primarily by regularly scheduled classes that require special purpose equipment to serve the needs of particular disciplines for group instruction, participation, observation, experimentation, or practice. Once a room is classified as a teaching lab it usually has utilization expectations.

University of Wisconsin System Teaching Laboratory Utilization Expectations

The University of Wisconsin System (UWS) utilization expectation for teaching laboratories is 24 periods or hours per week of for credit scheduled use. Sometimes the credits hours are assigned to the lecture portion of the course. The 24 hours per week criteria should not be interpreted as an expected utilization average for all laboratories. It is a target before a second laboratory of the same type is justified. UWS expects laboratories will be used at full or nearly full seat capacity.

It is typical for the scheduled weekly room hour expectation for teaching laboratories to be less than the scheduled use of classrooms due to the need for preparation time of specialized equipment prior to class. Conversely, the student station occupancy is normally higher as the number enrolled in a laboratory exercise is more closely monitored, safety being a key reason as well as the limitation of faculty observation.

Which Teaching Laboratories are Included?

With a few exceptions, almost all the teaching laboratories identified by the University as teaching labs are included. The exceptions are as follows:

- Chemistry Room#s-418(Chemical Analysis Computer Lab); and 461 (Instrumental Chemistry-while used for some scheduled use, its primary use is support to other laboratory activities)
- Physics Room#s-206(Optics); 208(Holography); and 210(Advanced/Experimental Physics)-these laboratories had minimal scheduled use, if any, and are used for advanced experimentation
- Radiation Center Room#s-37(Sealed Source Lab) and 39(Open Source Lab)-while these laboratories are used for some scheduled instruction the majority of their use is as support to other laboratory activities, disciplines, and research

These laboratories have been identified either as laboratory service or as open laboratories for purposes of this study. As mentioned earlier in this study, the Physics' Education Workshop Lab was relabeled as a Science Methods Laboratory and is shown under Miscellaneous Instructional Spaces.

Teaching Laboratory Utilization by Program

There are 28 teaching laboratories included in the utilization analysis. Chemistry and Biology have the greatest number of teaching laboratories at 8 and 7 respectively. For Fall 2009, the average scheduled use of the laboratories included in this study is 22 hours per week at 86% student station occupancy rate (the percentage of seats that are filled when the rooms are scheduled). For Spring 2010, the use is only slightly lower at 21 hours per week with an 82% student station occupancy.

Fall 2009

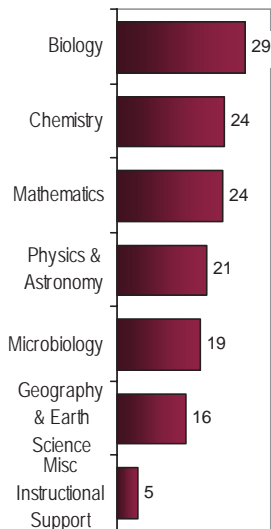
Biology, Chemistry, and Mathematics were scheduled the most at 29, 24, and 24 hours per week, respectively. The Misc. Instructional Space and Chemistry labs have the highest student station occupancies at 100% and 92% respectively. Physics and Biology also have very good occupancy rates at 88% and 86%. The lowest scheduled laboratories are in the Misc. Instructional Spaces and Geography at five (5) hours and 16 hours per week. In the consultant's opinion, none of the programs have poor occupancy rates; nevertheless, Mathematics has the lowest occupancy rate at 76%.

Biology had two laboratories with over 40 hours of scheduled use – Room #'s 348 (Introductory Biology) and 112 (Anatomy/Physiology). Likewise, Chemistry had one laboratory scheduled at 40 hours per week (Room #402 – General Chemistry). Half of all the laboratories are scheduled 24 hours or more with one Biology lab reaching 44 hours of scheduled use. About 60% of the labs have student station occupancies of 80% or more. Three of the laboratories exceed 100% occupancy rates in that there are more students enrolled in the courses than there are student stations. These laboratories are in Chemistry and Microbiology.

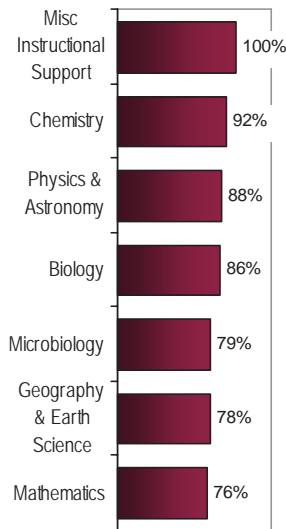
Teaching Laboratory Utilization Analysis Summary - Fall 2009

Department / Program Unit	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Biology	7	1,134	43	22	29	86%
Chemistry	8	1,226	58	19	24	92%
Geography & Earth Science	4	1,001	32	25	16	78%
Mathematics	2	782	17	34	24	76%
Microbiology	4	998	43	17	19	79%
Misc Instructional Support Spaces	1	1,140	29	40	5	100%
Physics & Astronomy	2	1,335	48	24	21	88%
<i>Total No. of Rooms = 28</i>	AVERAGE	1,111	44	23	22	86%

Weekly Room Hours:



Student Station Occupancy:



Spring 2010

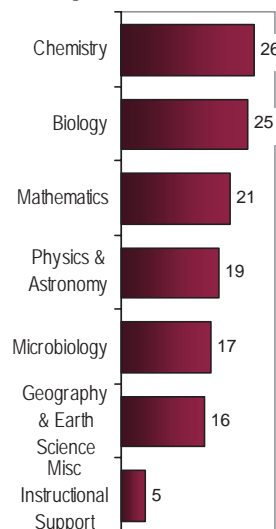
Spring semester use of laboratories tends to be lower on average than Fall semester use. Again, Chemistry, Biology, and Mathematics had the greatest amount of scheduled use and Misc. Instructional Space and Chemistry had the highest student station occupancies. As with Fall, the lowest scheduled laboratories are in Misc. Instructional Spaces and Geography. The occupancy rate for Mathematics drops considerably to a 54% student station fill rate.

Even though the average scheduled use is lower than the Fall there are still half of the laboratories that are scheduled 24 hours or more. Biology's Anatomy/Physiology lab has the highest amount of scheduled use at 42 hours per week. Over half of the laboratories exceed the 80% student station occupancy rate with the lowest of this group at an 86% fill ratio. The number of laboratories that exceed 100% occupancy doubles to six laboratories. These laboratories are in Geography, Microbiology, Misc. Instructional Spaces, Biology, and Chemistry.

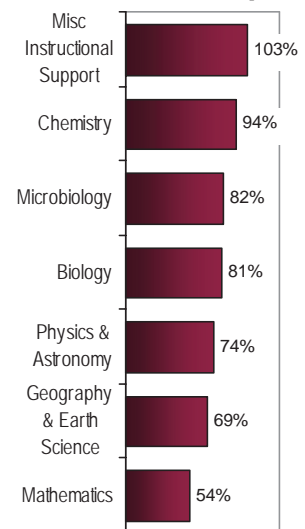
Teaching Laboratory Utilization Analysis Summary - Spring 2010

Department / Program Unit	No. of Rooms	Average Room Size	Average ASF per Station	Average Section Size	Average Weekly Room Hours	Hours in Use Student Station Occupancy %
Biology	7	1,134	43	21	25	81%
Chemistry	8	1,226	58	20	26	94%
Geography & Earth Science	4	1,001	32	24	16	69%
Mathematics	2	782	17	22	21	54%
Microbiology	4	998	43	17	17	82%
Misc Instructional Support Spaces	1	1,140	29	41	5	103%
Physics & Astronomy	2	1,335	48	20	19	74%
<i>Total No. of Rooms = 28</i>	AVERAGE	1,111	44	21	21	82%

Weekly Room Hours:



Student Station Occupancy:



Comparison of Fall to Spring

On the whole, most of the programs have lower utilization in the Spring than in the Fall. Chemistry, however, is the exception both in scheduled use and in occupancy rate. For Microbiology, while the average scheduled use drops, the student station occupancy increases by three percent (3%). Both Mathematics and Physics experience less scheduled use on average in the Spring as well as a significant drop in student station occupancy rates. Although Biology has the largest decrease in scheduled use in the Spring (about 15% less) they also had 21% more use than the next heaviest scheduled program. Even at 25 hours of average scheduled use, Biology exceeds the UWS hourly goal. They also had a five percent (5%) decrease in student station occupancy.

Teaching Lab Utilization Comparison from Fall to Spring

	Fall 2009			Spring 2010		Difference Fall to Spring	
	No. of Labs	Avg. Weekly Room Hours	Hours in Use Student Station Occupancy	Avg. Weekly Room Hours	Hours in Use Student Station Occupancy	Avg. Weekly Room Hours	Hours in Use Student Station Occupancy
Biology	7	29	86%	25	81%	-4	-5%
Chemistry	8	24	92%	26	94%	+2	+2%
Geography & Earth Science	4	16	78%	16	69%	+0	-9%
Mathematics	2	24	76%	21	54%	-3	-22%
Microbiology	4	19	79%	17	82%	-2	+3%
Misc. Instructional Spaces*	1	5	100%	5	103%	+0	+3%
Physics	2	21	88%	19	74%	-2	-14%
STUDY AVERAGE	28	22	86%	21	82%	-1	-4%

*This is the Science Methods Laboratory currently known as the Physics Education Workshop Lab.

For more utilization details, please refer to Appendices B, C, D, and E where the utilization for both semesters for each laboratory is shown as part of a summary (Appendices B and C) and the details of the courses taught in each room are also shown (Appendices D and E).

Appendix A

Teaching Laboratory Utilization - Fall 2009

APPENDIX A: TEACHING LABORATORY UTILIZATION - FALL 2009

Teaching Laboratory Utilization - Fall 2009

Room Id	Room Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
COLLEGE OF SCIENCE AND HEALTH								
Biology								
CH 0112	210	1,181	24	49	23	986	42	98%
CH 0316	210	780	18	43	15	307	20	84%
CH 0325	210	1,080	30	36	25	248	10	83%
CH 0331	210	1,140	24	48	19	269	14	79%
CH 0348	210	1,433	36	40	28	1,228	44	78%
CH 0354	210	1,428	38	38	27	928	34	72%
CH 0355	210	896	20	45	20	772	39	99%
<i>Department Average</i>		<i>1,134</i>	<i>27</i>	<i>43</i>	<i>22</i>		<i>29</i>	<i>86%</i>
<i>Department Total ASF</i>		<i>7,938</i>						
<i>No. of Rooms</i>		<i>7</i>						
Chemistry								
CH 0402	210	1,248	24	52	22	884	40	91%
CH 0407	210	1,210	20	61	20	499	25	101%
CH 0410	210	1,208	24	50	23	731	32	96%
CH 0412	210	1,208	20	60	18	368	20	92%
CH 0420	210	1,228	24	51	24	589	25	99%
CH 0425	210	1,228	24	51	26	639	25	107%
CH 0455	210	1,000	15	67	4	12	3	27%
CH 0460	210	1,476	20	74	13	310	25	63%
<i>Department Average</i>		<i>1,226</i>	<i>21</i>	<i>58</i>	<i>19</i>		<i>24</i>	<i>92%</i>
<i>Department Total ASF</i>		<i>9,806</i>						
<i>No. of Rooms</i>		<i>8</i>						
Geography & Earth Science								
CH 0204A	210	420	42	10	30	476	16	71%
CH 0217	210	1,140	30	38	27	654	24	91%
CH 0245	210	1,320	30	44	21	270	13	69%
CH 0256	210	1,123	32	35	24	223	10	70%
<i>Department Average</i>		<i>1,001</i>	<i>34</i>	<i>32</i>	<i>25</i>		<i>16</i>	<i>78%</i>
<i>Department Total ASF</i>		<i>4,003</i>						
<i>No. of Rooms</i>		<i>4</i>						
Mathematics								
CH 0041	210	827	48	17	30	808	26	65%
CH 0043	210	737	42	18	38	826	22	89%
<i>Department Average</i>		<i>782</i>	<i>45</i>	<i>17</i>	<i>34</i>		<i>24</i>	<i>76%</i>
<i>Department Total ASF</i>		<i>1,564</i>						
<i>No. of Rooms</i>		<i>2</i>						

Teaching Laboratory Utilization - Fall 2009

Room Id	Room Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
Microbiology								
CH 0302	210	960	18	53	18	588	32	102%
CH 0308	210	1,080	30	36	20	312	16	65%
CH 0314	210	1,080	24	45	13	211	16	57%
CH 0320	210	870	24	36	16	194	12	67%
<i>Department Average</i>		998	24	43	17		19	79%
<i>Department Total ASF</i>		3,990						
<i>No. of Rooms</i>		4						
Misc Instructional Support Spaces								
CH 0221	210	1,140	40	29	40	192	5	100%
<i>Department Average</i>		1,140	40	29	40		5	100%
<i>Department Total ASF</i>		1,140						
<i>No. of Rooms</i>		1						
Physics & Astronomy								
CH 0214	210	1,710	28	61	26	816	32	91%
CH 0220	210	960	28	34	23	194	9	77%
<i>Department Average</i>		1,335	28	48	24		21	88%
<i>Department Total ASF</i>		2,670						
<i>No. of Rooms</i>		2						
COWLEY HALL STUDY								
AVERAGE		1,111	28	44	23		22	86%
TOTAL ASF		31,111						
NO. OF ROOMS		28						

Appendix B

Teaching Laboratory Utilization - Spring 2010

APPENDIX B: TEACHING LABORATORY UTILIZATION - SPRING 2010

Teaching Laboratory Utilization - Spring 2010

Room Id	Room Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
COLLEGE OF SCIENCE AND HEALTH								
Biology								
CH 0112	210	1,181	24	49	22	926	42	92%
CH 0316	210	780	18	43	17	171	10	94%
CH 0325	210	1,080	30	36	22	522	24	73%
CH 0331	210	1,140	24	48	25	342	14	102%
CH 0348	210	1,433	36	40	21	506	24	59%
CH 0354	210	1,428	38	38	20	479	25	50%
CH 0355	210	896	20	45	20	697	34	101%
<i>Department Average</i>		<i>1,134</i>	<i>27</i>	<i>43</i>	<i>21</i>		<i>25</i>	<i>81%</i>
<i>Department Total ASF</i>		<i>7,938</i>						
<i>No. of Rooms</i>		<i>7</i>						
Chemistry								
CH 0402	210	1,248	24	52	24	679	28	101%
CH 0407	210	1,210	20	61	19	477	25	96%
CH 0410	210	1,208	24	50	23	791	34	97%
CH 0412	210	1,208	20	60	17	276	16	86%
CH 0420	210	1,228	24	51	22	884	40	91%
CH 0425	210	1,228	24	51	21	521	25	88%
CH 0455	210	1,000	15	67	14	119	9	93%
CH 0460	210	1,476	20	74	19	577	31	93%
<i>Department Average</i>		<i>1,226</i>	<i>21</i>	<i>58</i>	<i>20</i>		<i>26</i>	<i>94%</i>
<i>Department Total ASF</i>		<i>9,806</i>						
<i>No. of Rooms</i>		<i>8</i>						
Geography & Earth Science								
CH 0204A	210	420	42	10	24	386	16	57%
CH 0217	210	1,140	30	38	22	486	23	70%
CH 0245	210	1,320	30	44	19	338	18	62%
CH 0256	210	1,123	32	35	33	266	8	104%
<i>Department Average</i>		<i>1,001</i>	<i>34</i>	<i>32</i>	<i>24</i>		<i>16</i>	<i>69%</i>
<i>Department Total ASF</i>		<i>4,003</i>						
<i>No. of Rooms</i>		<i>4</i>						
Mathematics								
CH 0041	210	827	48	17	23	499	20	52%
CH 0043	210	737	42	18	21	526	23	55%
<i>Department Average</i>		<i>782</i>	<i>45</i>	<i>17</i>	<i>22</i>		<i>21</i>	<i>54%</i>
<i>Department Total ASF</i>		<i>1,564</i>						
<i>No. of Rooms</i>		<i>2</i>						

Teaching Laboratory Utilization - Spring 2010

Room Id	Room Use Code	Assignable Sq. Ft.	No. of Stations	Assignable Sq. Ft. Per Station	Average Enrollment	Weekly Student Contact Hours	Weekly Room Hours	Hours in Use Student Station Occupancy %
Microbiology								
CH 0302	210	960	18	53	19	596	32	103%
CH 0308	210	1,080	30	36	21	248	12	69%
CH 0314	210	1,080	24	45	14	228	15	62%
CH 0320	210	870	24	36	15	146	10	58%
<i>Department Average</i>		<i>998</i>	<i>24</i>	<i>43</i>	<i>17</i>		<i>17</i>	<i>82%</i>
<i>Department Total ASF</i>		<i>3,990</i>						
<i>No. of Rooms</i>		<i>4</i>						
Misc Instructional Support Spaces								
CH 0221	210	1,140	40	29	41	197	5	103%
<i>Department Average</i>		<i>1,140</i>	<i>40</i>	<i>29</i>	<i>41</i>		<i>5</i>	<i>103%</i>
<i>Department Total ASF</i>		<i>1,140</i>						
<i>No. of Rooms</i>		<i>1</i>						
Physics & Astronomy								
CH 0214	210	1,710	28	61	22	610	28	78%
CH 0220	210	960	28	34	18	182	10	65%
<i>Department Average</i>		<i>1,335</i>	<i>28</i>	<i>48</i>	<i>20</i>		<i>19</i>	<i>74%</i>
<i>Department Total ASF</i>		<i>2,670</i>						
<i>No. of Rooms</i>		<i>2</i>						
COWLEY HALL STUDY								
AVERAGE		1,111	28	44	21		21	82%
TOTAL ASF		31,111						
NO. OF ROOMS		28						

Appendix C

Teaching Laboratory Utilization Detail by Room - Fall 2009

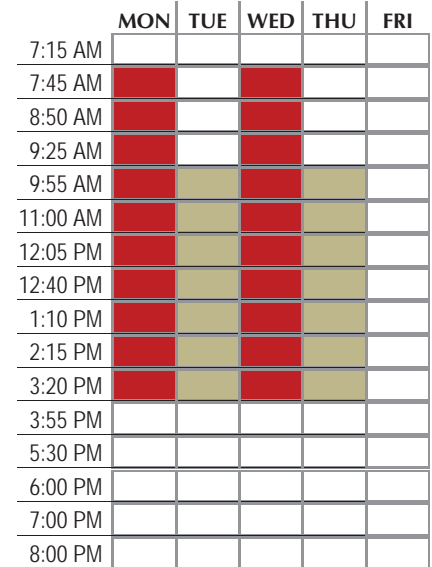
APPENDIX C: TEACHING LABORATORY UTILIZATION DETAIL - FALL 2009

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0041

Room Use Code: Teaching Lab

Department: Mathematics		Capacity: 48
Average Enrollment: 30	Assignable Square Feet: 827	Assignable Sq. Ft. Per Station: 17
Weekly Student Contact Hours: 808	Weekly Room Hours: 26.0	Hours in Use Student Station Occupancy: 65%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION					
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %		
7:45 AM	9:45 AM	M	EDS 422 02	Tch Mthsci2	ECMCEA	LAB	2.00	27	2.00	29	58	60%
7:45 AM	9:45 AM	M	EDS 522 02	Tch Mthsci2	ECMCEA	LAB	2.00	2				
7:45 AM	9:45 AM	W	EDS 422 03	Tch Mthsci2	ECMCEA	LAB	2.00	24	2.00	24	48	50%
9:55 AM	10:50 AM	MTWR	MTH 151 01	Precalculus		LEC	4.00	36	4.00	36	144	75%
11:00 AM	11:55 AM	MTWR	MTH 151 02	Precalculus		LEC	4.00	36	4.00	36	144	75%
12:05 PM	1:05 PM	MTWR	MTH 150 04	College Algebra		LEC	4.00	40	4.00	40	160	83%
1:10 PM	2:05 PM	MTWR	MTH 151 03	Precalculus		LEC	4.00	38	4.00	38	152	79%
2:15 PM	3:40 PM	MW	CI 364 01	Meth-Math-Cptr-Sci		LAB	3.00	14	3.00	14	42	29%
2:15 PM	3:40 PM	TR	MTH 171 01	Geometry-Elem Tchr		LAB	3.00	20	3.00	20	60	42%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0043

Room Use Code: Teaching Lab

Department: Mathematics	Capacity: 42
Average Enrollment: 38	Assignable Square Feet: 737
Weekly Student Contact Hours: 826	Assignable Sq. Ft. Per Station: 18
Weekly Room Hours: 22.0	Hours in Use Student Station Occupancy: 89%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	Red	Gold	Red	Gold	
9:25 AM	Red	Gold	Red	Gold	
9:55 AM	Red	Gold	Red	Gold	
11:00 AM	Red	Gold	Red	Gold	
12:05 PM					
12:40 PM					
1:10 PM	Red	Gold	Red	Gold	Red
2:15 PM	Red	Gold	Red	Gold	Red
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	9:45 AM	MTWR	MTH 125 01 Math Elem Tchrs I	LAB	4.00	37	4.00	37	148	88%
9:55 AM	10:50 AM	MTWR	MTH 125 02 Math Elem Tchrs I	LAB	4.00	39	4.00	39	156	93%
11:00 AM	11:55 AM	MTWR	MTH 150 03 College Algebra	LEC	4.00	43	4.00	43	172	102%
1:10 PM	2:05 PM	MTWRF	MTH 207 05 Calculus I	LEC	5.00	37	5.00	37	185	88%
2:15 PM	3:10 PM	MTWRF	MTH 207 06 Calculus I	LEC	5.00	33	5.00	33	165	79%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0112

Room Use Code: Teaching Lab

Department: Biology	Capacity: 24
Average Enrollment: 23	Assignable Square Feet: 1,181
Weekly Student Contact Hours: 986	Assignable Sq. Ft. Per Station: 49
	Weekly Room Hours: 42.0
	Hours in Use Student Station Occupancy: 98%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
7:45 AM	9:45 AM	F	BIO 313 12L	Human Anatomy & Physiology II	LAB	2.00	16	2.00	16	32	67%
7:45 AM	9:45 AM	M	BIO 312 20L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
7:45 AM	9:45 AM	R	BIO 312 25L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
7:45 AM	9:45 AM	T	BIO 312 21L	Human Anatomy & Physiology I	LAB	2.00	23	2.00	23	46	96%
7:45 AM	9:45 AM	W	BIO 312 16L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
9:55 AM	11:55 AM	F	BIO 313 13L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
9:55 AM	11:55 AM	M	BIO 312 11L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
9:55 AM	11:55 AM	T	BIO 312 10L	Human Anatomy & Physiology I	LAB	2.00	23	2.00	23	46	96%
9:55 AM	11:55 AM	W	BIO 312 17L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	F	BIO 313 14L	Human Anatomy & Physiology II	LAB	2.00	22	2.00	22	44	92%
12:05 PM	2:05 PM	M	BIO 312 12L	Human Anatomy & Physiology I	LAB	2.00	25	2.00	25	50	104%
12:05 PM	2:05 PM	T	BIO 312 14L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	W	BIO 312 18L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	M	BIO 312 13L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	R	BIO 313 10L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	T	BIO 312 15L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	W	BIO 312 19L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
4:25 PM	6:25 PM	M	BIO 312 22L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
4:25 PM	6:25 PM	R	BIO 313 11L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
4:25 PM	6:25 PM	T	BIO 312 23L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
4:25 PM	6:25 PM	W	BIO 312 24L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0204A

Room Use Code: Teaching Lab

Department: Geography & Earth Science	Capacity: 42
Average Enrollment: 30	Assignable Square Feet: 420
Weekly Student Contact Hours: 476	Assignable Sq. Ft. Per Station: 10
Weekly Room Hours: 16.0	Hours in Use Student Station Occupancy: 71%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM		█			
8:50 AM		█	█		
9:25 AM		█	█	█	
9:55 AM		█	█	█	
11:00 AM		█	█	█	
12:05 PM			█	█	
12:40 PM			█	█	
1:10 PM		█		█	
2:15 PM		█			
3:20 PM			█		
3:55 PM			█		
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	T	ESC 221 10L Intro Climate/Sytm	LAB	2.00	25	2.00	25	50	60%
8:50 AM	10:50 AM	W	ESC 101 10L Earth Environments	LAB	2.00	31	2.00	31	62	74%
9:25 AM	11:25 AM	R	ESC 101 20L Earth Environments	LAB	2.00	31	2.00	31	62	74%
9:55 AM	11:55 AM	T	ESC 101 30L Earth Environments	LAB	2.00	29	2.00	29	58	69%
11:00 AM	1:00 PM	W	ESC 101 11L Earth Environments	LAB	2.00	31	2.00	31	62	74%
12:05 PM	2:05 PM	R	ESC 101 21L Earth Environments	LAB	2.00	31	2.00	31	62	74%
1:10 PM	3:10 PM	T	ESC 101 31L Earth Environments	LAB	2.00	30	2.00	30	60	71%
3:20 PM	5:20 PM	W	ESC 250 10L Fund Cartography	LAB	2.00	4	2.00	30	60	71%
3:20 PM	5:20 PM	W	GEO 250 10L Fund Cartography	LAB	2.00	26				

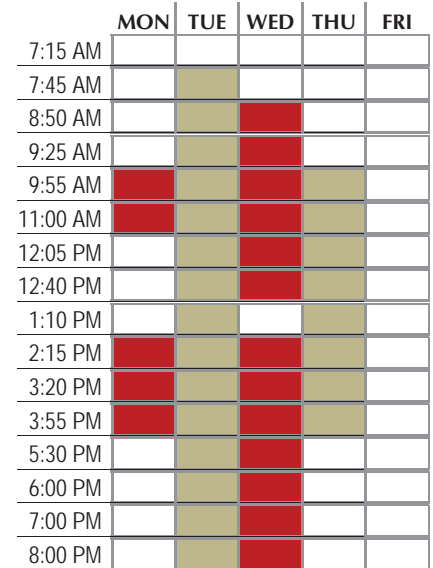
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0214

Room Use Code: Teaching Lab

Department: Physics & Astronomy	Capacity: 28
Average Enrollment: 26	Assignable Square Feet: 1,710
Weekly Student Contact Hours: 816	Assignable Sq. Ft. Per Station: 61
Weekly Room Hours: 32.0	Hours in Use Student Station Occupancy: 91%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	T	PHY 103 10L Fund Physics I	LAB	2.00	27	2.00	27	54	96%
8:50 AM	10:50 AM	W	PHY 103 16L Fund Physics I	LAB	2.00	26	2.00	26	52	93%
9:55 AM	11:55 AM	M	PHY 125 10L Phys for Life Sci	LAB	2.00	22	2.00	22	44	79%
9:55 AM	11:55 AM	R	PHY 203 10L General Physics I	LAB	2.00	20	2.00	20	40	71%
9:55 AM	11:55 AM	T	PHY 103 11L Fund Physics I	LAB	2.00	27	2.00	27	54	96%
11:00 AM	1:00 PM	W	PHY 103 17L Fund Physics I	LAB	2.00	26	2.00	26	52	93%
12:05 PM	2:05 PM	R	PHY 203 11L General Physics I	LAB	2.00	25	2.00	25	50	89%
12:05 PM	2:05 PM	T	PHY 103 12L Fund Physics I	LAB	2.00	28	2.00	28	56	100%
2:15 PM	4:15 PM	M	PHY 125 11L Phys for Life Sci	LAB	2.00	26	2.00	26	52	93%
2:15 PM	4:15 PM	R	PHY 203 12L General Physics I	LAB	2.00	23	2.00	23	46	82%
2:15 PM	4:15 PM	T	PHY 103 13L Fund Physics I	LAB	2.00	28	2.00	28	56	100%
2:15 PM	4:15 PM	W	PHY 103 18L Fund Physics I	LAB	2.00	25	2.00	25	50	89%
4:25 PM	6:25 PM	T	PHY 103 14L Fund Physics I	LAB	2.00	27	2.00	27	54	96%
4:25 PM	6:25 PM	W	PHY 103 19L Fund Physics I	LAB	2.00	26	2.00	26	52	93%
6:35 PM	8:35 PM	T	PHY 103 15L Fund Physics I	LAB	2.00	26	2.00	26	52	93%
6:35 PM	8:35 PM	W	PHY 103 20L Fund Physics I	LAB	2.00	26	2.00	26	52	93%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0217

Room Use Code: Teaching Lab

Department: Geography & Earth Science	Capacity: 30
Average Enrollment: 27	Assignable Square Feet: 1,140
Weekly Student Contact Hours: 654	Assignable Sq. Ft. Per Station: 38
Weekly Room Hours: 24.0	Hours in Use Student Station Occupancy: 91%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
7:45 AM	9:45 AM	T	ESC 221 10L	Intro Climate/Sytm	LAB	2.00	25	2.00	25	50	83%
8:50 AM	9:45 AM	MWF	CST 230 01	Interpersonal Comm	LEC	3.00	25	3.00	25	75	83%
9:25 AM	11:25 AM	R	ESC 101 20L	Earth Environments	LAB	2.00	31	2.00	31	62	103%
9:55 AM	10:50 AM	MWF	CST 230 02	Interpersonal Comm	LEC	3.00	25	3.00	25	75	83%
9:55 AM	11:55 AM	T	ESC 101 30L	Earth Environments	LAB	2.00	29	2.00	29	58	97%
11:00 AM	11:55 AM	MWF	ESC 221 01	Intro Climate/Sytm	LLB	3.00	25	3.00	25	75	83%
12:05 PM	2:05 PM	R	ESC 101 21L	Earth Environments	LAB	2.00	31	2.00	31	62	103%
1:10 PM	2:05 PM	F	GEO 401 01	Focus Geo:Capstone	LLB	1.00	17	1.00	17	17	57%
1:10 PM	3:10 PM	T	ESC 101 31L	Earth Environments	LAB	2.00	30	2.00	30	60	100%
2:15 PM	3:10 PM	MW	ESC 250 01	Fund Cartography	LLB	2.00	4	2.00	30	60	100%
2:15 PM	3:10 PM	MW	GEO 250 01	Fund Cartography	LLB	2.00	26				
3:20 PM	5:20 PM	W	ESC 250 10L	Fund Cartography	LAB	2.00	4	2.00	30	60	100%
3:20 PM	5:20 PM	W	GEO 250 10L	Fund Cartography	LAB	2.00	26				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0220

Room Use Code: *Teaching Lab*

Department: Physics & Astronomy	Capacity: 28
Average Enrollment: 23	Assignable Square Feet: 960
Weekly Student Contact Hours: 194	Assignable Sq. Ft. Per Station: 34
Weekly Room Hours: 9.0	Hours in Use Student Station Occupancy: 77%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM		■			
9:25 AM		■			
9:55 AM		■		■	
11:00 AM		■		■	
12:05 PM					
12:40 PM					
1:10 PM				■	
2:15 PM				■	
3:20 PM				■	
3:55 PM				■	
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	11:50 AM	T	PHY 335 10L Electronics	LAB	3.00	10	3.00	10	30	36%
9:55 AM	11:55 AM	R	PHY 155 10L Solar System Ast	LAB	2.00	26	2.00	26	52	93%
1:10 PM	3:10 PM	R	PHY 155 11L Solar System Ast	LAB	2.00	30	2.00	30	60	107%
3:20 PM	5:20 PM	R	PHY 155 12L Solar System Ast	LAB	2.00	26	2.00	26	52	93%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0221

Room Use Code: Teaching Lab

Department: Misc Instructional Support Spaces	Capacity: 40
Average Enrollment: 40	Assignable Square Feet: 1,140
Weekly Student Contact Hours: 192	Assignable Sq. Ft. Per Station: 29
Weekly Room Hours: 4.8	Hours in Use Student Station Occupancy: 100%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
12:05 PM	2:30 PM	MW	PHY 106 01 Physicl Sci Educatr	LLB	4.80	40	4.80	40	192	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0245

Room Use Code: Teaching Lab

Department: Geography & Earth Science		Capacity: 30
Average Enrollment: 21	Assignable Square Feet: 1,320	Assignable Sq. Ft. Per Station: 44
Weekly Student Contact Hours: 270	Weekly Room Hours: 13.0	Hours in Use Student Station Occupancy: 69%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	█		█		
9:25 AM	█	█	█		
9:55 AM		█	█		
11:00 AM		█	█		
12:05 PM		█			
12:40 PM		█		█	
1:10 PM		█		█	
2:15 PM	█		█		
3:20 PM	█		█		
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	9:45 AM	MW	ESC 385 01	LLB	2.00	2	2.00	21	42	70%
8:50 AM	9:45 AM	MW	GEO 385 01	LLB	2.00	19				
9:25 AM	12:10 PM	T	ESC 390 01	LLB	3.00	5	3.00	18	54	60%
9:25 AM	12:10 PM	T	GEO 390 01	LLB	3.00	13				
9:55 AM	11:55 AM	W	ESC 385 10L	LAB	2.00	2	2.00	21	42	70%
9:55 AM	11:55 AM	W	GEO 385 10L	LAB	2.00	19				
12:40 PM	2:05 PM	TR	ESC 425 01	LLB	3.00	2	3.00	15	45	50%
12:40 PM	2:05 PM	TR	GEO 425 01	LLB	3.00	9				
12:40 PM	2:05 PM	TR	GEO 425 02	LLB	3.00	4				
2:15 PM	3:40 PM	MW	ESC 345 01	LLB	3.00	4	3.00	29	87	97%
2:15 PM	3:40 PM	MW	GEO 345 01	LLB	3.00	25				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0256

Room Use Code: Teaching Lab

Department: Geography & Earth Science	Capacity: 32
Average Enrollment: 24	Assignable Square Feet: 1,123
Weekly Student Contact Hours: 223	Assignable Sq. Ft. Per Station: 35
Weekly Room Hours: 10.0	Hours in Use Student Station Occupancy: 70%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM			Red		
9:25 AM		Green	Red		
9:55 AM		Green	Red		
11:00 AM		Green	Red		
12:05 PM		Green	Red		
12:40 PM		Green	Red	Green	
1:10 PM		Green		Green	
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	10:50 AM	W	ESC 101 10L Earth Environments	LAB	2.00	31	2.00	31	62	97%
9:25 AM	12:10 PM	T	ESC 390 01 Geographic Field Methods	LLB	3.00	5	3.00	18	54	56%
9:25 AM	12:10 PM	T	GEO 390 01 Geographic Field Methods	LLB	3.00	13				
11:00 AM	1:00 PM	W	ESC 101 11L Earth Environments	LAB	2.00	31	2.00	31	62	97%
12:40 PM	2:05 PM	TR	ESC 425 01 Biogeography	LLB	3.00	2	3.00	15	45	47%
12:40 PM	2:05 PM	TR	GEO 425 01 Biogeography	LLB	3.00	9				
12:40 PM	2:05 PM	TR	GEO 425 02 Biogeography	LLB	3.00	4				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0302

Room Use Code: *Teaching Lab*

Department: Microbiology		Capacity: 18
Average Enrollment: 18	Assignable Square Feet: 960	Assignable Sq. Ft. Per Station: 53
Weekly Student Contact Hours: 588	Weekly Room Hours: 32.0	Hours in Use Student Station Occupancy: 102%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM	█	█	█	█	
11:00 AM	█	█	█	█	
12:05 PM	█	█	█	█	
12:40 PM	█	█	█	█	
1:10 PM	█	█	█	█	
2:15 PM	█	█	█	█	
3:20 PM	█	█	█	█	
3:55 PM	█	█	█	█	
5:30 PM	█	█	█	█	
6:00 PM	█	█	█	█	
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:55 AM	11:55 AM	MW	MIC 230 10L Fund Microbiology	LAB	4.00	18	4.00	18	72	100%
9:55 AM	11:55 AM	TR	MIC 230 14L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
12:05 PM	2:05 PM	MW	MIC 230 11L Fund Microbiology	LAB	4.00	18	4.00	18	72	100%
12:05 PM	2:05 PM	TR	MIC 230 15L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
2:15 PM	4:15 PM	MW	MIC 230 12L Fund Microbiology	LAB	4.00	18	4.00	18	72	100%
2:15 PM	4:15 PM	TR	MIC 230 16L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
4:25 PM	6:25 PM	MW	MIC 230 13L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
4:25 PM	6:25 PM	TR	MIC 230 17L Fund Microbiology	LAB	4.00	17	4.00	17	68	94%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0308

Room Use Code: Teaching Lab

Department: Microbiology	Capacity: 30
Average Enrollment: 20	Assignable Square Feet: 1,080
Weekly Student Contact Hours: 312	Assignable Sq. Ft. Per Station: 36
Weekly Room Hours: 16.0	Hours in Use Student Station Occupancy: 65%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	■		■		
9:25 AM	■		■		
9:55 AM	■	■	■	■	
11:00 AM		■		■	
12:05 PM	■		■		
12:40 PM	■		■		
1:10 PM	■		■		
2:15 PM					
3:20 PM		■		■	
3:55 PM		■		■	
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	10:50 AM	MW	MIC 406 10L Immunology	LAB	4.00	22	4.00	22	88	73%
9:55 AM	11:55 AM	TR	MIC 407 10L Pathogenic Bact	LAB	4.00	17	4.00	17	68	57%
12:05 PM	2:05 PM	MW	MIC 406 11L Immunology	LAB	4.00	20	4.00	23	92	77%
12:05 PM	2:05 PM	MW	MIC 506 11L Immunology	LAB	4.00	3				
3:20 PM	5:20 PM	TR	MIC 421 01 Virology Lab	LAB	4.00	13	4.00	16	64	53%
3:20 PM	5:20 PM	TR	MIC 521 01 Virology Lab	LAB	4.00	3				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0314

Room Use Code: *Teaching Lab*

Department: Microbiology		Capacity: 24
Average Enrollment: 13	Assignable Square Feet: 1,080	Assignable Sq. Ft. Per Station: 45
Weekly Student Contact Hours: 211	Weekly Room Hours: 15.5	Hours in Use Student Station Occupancy: 57%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	■		■		■
9:25 AM	■		■		■
9:55 AM	■		■		■
11:00 AM	■		■		■
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM	■		■		
3:20 PM	■		■		
3:55 PM	■		■		
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	11:55 AM	F	MIC 350 10L Bacterial Diversity	LAB	3.10	12	3.10	12	37	50%
8:50 AM	11:55 AM	MW	MIC 416 10L Microbial Genetics	LAB	6.20	12	6.20	12	74	50%
2:15 PM	5:20 PM	MW	MIC 416 11L Microbial Genetics	LAB	6.20	15	6.20	16	99	67%
2:15 PM	5:20 PM	MW	MIC 516 11L Microbial Genetics	LAB	6.20	1				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0316

Room Use Code: Teaching Lab

Department: Biology	Capacity: 18
Average Enrollment: 15	Assignable Square Feet: 780
Weekly Student Contact Hours: 307	Assignable Sq. Ft. Per Station: 43
Weekly Room Hours: 20.2	Hours in Use Student Station Occupancy: 84%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	R	BIO 422 10L Ichthyology	LAB	2.00	8	2.00	10	20	56%
7:45 AM	9:45 AM	R	BIO 522 10L Ichthyology	LAB	2.00	2				
7:45 AM	9:45 AM	T	BIO 422 11L Ichthyology	LAB	2.00	11	2.00	12	24	67%
7:45 AM	9:45 AM	T	BIO 522 11L Ichthyology	LAB	2.00	1				
9:55 AM	11:55 AM	R	BIO 419 10L Quan Meth Ecology	LAB	2.00	13	2.00	18	36	100%
9:55 AM	11:55 AM	R	BIO 519 10L Quan Meth Ecology	LAB	2.00	5				
12:05 PM	2:05 PM	MW	BIO 406 10L Parasitology	LAB	4.00	16	4.00	18	72	100%
12:05 PM	2:05 PM	MW	BIO 506 10L Parasitology	LAB	4.00	2				
2:15 PM	4:15 PM	MW	BIO 406 11L Parasitology	LAB	4.00	17	4.00	17	68	94%
2:15 PM	5:20 PM	R	BIO 341 11L Limnology	LAB	3.10	14	3.10	14	43	78%
2:15 PM	5:20 PM	T	BIO 341 10L Limnology	LAB	3.10	14	3.10	14	43	78%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0320

Room Use Code: *Teaching Lab*

Department: Microbiology	Capacity: 24
Average Enrollment: 16	Assignable Square Feet: 870
Weekly Student Contact Hours: 194	Assignable Sq. Ft. Per Station: 36
Weekly Room Hours: 12.0	Hours in Use Student Station Occupancy: 67%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM		█		█	
11:00 AM		█		█	
12:05 PM		█		█	
12:40 PM		█		█	
1:10 PM		█		█	
2:15 PM		█		█	
3:20 PM		█		█	
3:55 PM		█		█	
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:55 AM	11:55 AM	R	MIC 100 13L Microbes & Society	LAB	2.00	16	2.00	16	32	67%
9:55 AM	11:55 AM	T	MIC 100 10L Microbes & Society	LAB	2.00	16	2.00	16	32	67%
12:05 PM	2:05 PM	R	MIC 100 14L Microbes & Society	LAB	2.00	15	2.00	15	30	63%
12:05 PM	2:05 PM	T	MIC 100 11L Microbes & Society	LAB	2.00	16	2.00	16	32	67%
2:15 PM	4:15 PM	R	MIC 100 15L Microbes & Society	LAB	2.00	16	2.00	16	32	67%
2:15 PM	4:15 PM	T	MIC 100 12L Microbes & Society	LAB	2.00	18	2.00	18	36	75%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0325

Room Use Code: Teaching Lab

Department: Biology	Capacity: 30
Average Enrollment: 25	Assignable Square Feet: 1,080
Weekly Student Contact Hours: 248	Assignable Sq. Ft. Per Station: 36
Weekly Room Hours: 10.0	Hours in Use Student Station Occupancy: 83%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM	█	█			
8:50 AM	█	█			
9:25 AM	█	█			
9:55 AM	█	█			
11:00 AM	█	█			
12:05 PM	█				
12:40 PM	█				
1:10 PM	█				
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	M	BIO 210 10L Animal Biology	LAB	2.00	28	2.00	28	56	93%
7:45 AM	9:45 AM	T	BIO 210 13L Animal Biology	LAB	2.00	13	2.00	13	26	43%
9:55 AM	11:55 AM	M	BIO 210 11L Animal Biology	LAB	2.00	29	2.00	29	58	97%
9:55 AM	11:55 AM	T	BIO 210 14L Animal Biology	LAB	2.00	24	2.00	24	48	80%
12:05 PM	2:05 PM	M	BIO 210 12L Animal Biology	LAB	2.00	30	2.00	30	60	100%

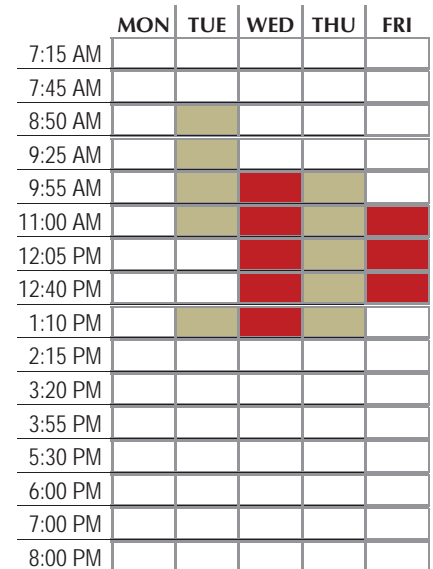
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0331

Room Use Code: *Teaching Lab*

Department: Biology	Capacity: 24
Average Enrollment: 19	Assignable Square Feet: 1,140
Weekly Student Contact Hours: 269	Assignable Sq. Ft. Per Station: 48
Weekly Room Hours: 14.1	Hours in Use Student Station Occupancy: 79%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	11:50 AM	T	BIO 468 01 Human Mol Gen Lab	LAB	3.00	6	3.00	6	18	25%
9:55 AM	11:55 AM	R	BIO 204 14L Plant Biology	LAB	2.00	25	2.00	25	50	104%
9:55 AM	11:55 AM	W	BIO 204 10L Plant Biology	LAB	2.00	24	2.00	24	48	100%
11:00 AM	1:00 PM	F	BIO 204 16L Plant Biology	LAB	2.00	23	2.00	23	46	96%
12:05 PM	2:05 PM	R	BIO 204 15L Plant Biology	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	W	BIO 204 11L Plant Biology	LAB	2.00	24	2.00	24	48	100%
1:10 PM	2:15 PM	T	BIO 725 01 Forum in Biology	LLB	1.10	10	1.10	10	11	42%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0348

Room Use Code: Teaching Lab

Department: Biology	Capacity: 36
Average Enrollment: 28	Assignable Square Feet: 1,433
Weekly Student Contact Hours: 1,228	Assignable Sq. Ft. Per Station: 40
	Weekly Room Hours: 44.0
	Hours in Use Student Station Occupancy: 78%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM	█	█	█	█	█
8:50 AM	█	█	█	█	█
9:25 AM	█	█	█	█	█
9:55 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:05 PM	█	█	█	█	█
12:40 PM	█	█	█	█	█
1:10 PM	█	█	█	█	█
2:15 PM	█	█	█	█	█
3:20 PM	█	█	█	█	█
3:55 PM	█	█	█	█	█
5:30 PM	█	█	█	█	█
6:00 PM	█	█	█	█	█
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	F	BIO 105 32L	LAB	2.00	28	2.00	28	56	78%
7:45 AM	9:45 AM	M	BIO 105 10L	LAB	2.00	28	2.00	28	56	78%
7:45 AM	9:45 AM	R	BIO 105 25L	LAB	2.00	28	2.00	28	56	78%
7:45 AM	9:45 AM	T	BIO 105 15L	LAB	2.00	28	2.00	28	56	78%
7:45 AM	9:45 AM	W	BIO 105 20L	LAB	2.00	28	2.00	28	56	78%
9:55 AM	11:55 AM	F	BIO 105 35L	LAB	2.00	28	2.00	28	56	78%
9:55 AM	11:55 AM	M	BIO 105 11L	LAB	2.00	28	2.00	28	56	78%
9:55 AM	11:55 AM	R	BIO 105 26L	LAB	2.00	28	2.00	28	56	78%
9:55 AM	11:55 AM	T	BIO 105 16L	LAB	2.00	28	2.00	28	56	78%
9:55 AM	11:55 AM	W	BIO 105 21L	LAB	2.00	27	2.00	27	54	75%
12:05 PM	2:05 PM	M	BIO 105 12L	LAB	2.00	28	2.00	28	56	78%
12:05 PM	2:05 PM	R	BIO 105 27L	LAB	2.00	28	2.00	28	56	78%
12:05 PM	2:05 PM	T	BIO 105 17L	LAB	2.00	28	2.00	28	56	78%
12:05 PM	2:05 PM	W	BIO 105 22L	LAB	2.00	28	2.00	28	56	78%
2:15 PM	4:15 PM	M	BIO 105 13L	LAB	2.00	28	2.00	28	56	78%
2:15 PM	4:15 PM	R	BIO 105 29L	LAB	2.00	28	2.00	28	56	78%
2:15 PM	4:15 PM	T	BIO 105 18L	LAB	2.00	28	2.00	28	56	78%
2:15 PM	4:15 PM	W	BIO 105 23L	LAB	2.00	28	2.00	28	56	78%
4:25 PM	6:25 PM	M	BIO 105 14L	LAB	2.00	28	2.00	28	56	78%
4:25 PM	6:25 PM	R	BIO 105 30L	LAB	2.00	28	2.00	28	56	78%
4:25 PM	6:25 PM	T	BIO 105 37L	LAB	2.00	26	2.00	26	52	72%
4:25 PM	6:25 PM	W	BIO 105 24L	LAB	2.00	29	2.00	29	58	81%

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0354

Room Use Code: Teaching Lab

Department: Biology	Capacity: 38
Average Enrollment: 27	Assignable Square Feet: 1,428
Weekly Student Contact Hours: 928	Assignable Sq. Ft. Per Station: 38
	Hours in Use Student Station Occupancy: 72%
	Weekly Room Hours: 34.0

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	█	█	█	█	█
9:25 AM	█	█	█	█	█
9:55 AM	█	█	█	█	█
11:00 AM	█	█	█	█	█
12:05 PM	█	█	█	█	█
12:40 PM	█	█	█	█	█
1:10 PM	█	█	█	█	
2:15 PM	█	█	█	█	
3:20 PM	█		█	█	
3:55 PM	█		█	█	
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %	
8:50 AM	10:50 AM	F	BIO 105 33L	General Biology	LAB	2.00	28	2.00	28	56	74%
8:50 AM	10:50 AM	M	BIO 103 15L	Intro Biology	LAB	2.00	20	2.00	20	40	53%
8:50 AM	10:50 AM	R	BIO 103 20L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
8:50 AM	10:50 AM	T	BIO 103 12L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
8:50 AM	10:50 AM	W	BIO 103 16L	Intro Biology	LAB	2.00	25	2.00	25	50	66%
11:00 AM	1:00 PM	F	BIO 105 34L	General Biology	LAB	2.00	28	2.00	28	56	74%
11:00 AM	1:00 PM	M	BIO 105 19L	General Biology	LAB	2.00	28	2.00	28	56	74%
11:00 AM	1:00 PM	R	BIO 105 36L	General Biology	LAB	2.00	28	2.00	28	56	74%
11:00 AM	1:00 PM	T	BIO 103 13L	Intro Biology	LAB	2.00	27	2.00	27	54	71%
11:00 AM	1:00 PM	W	BIO 103 17L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
1:10 PM	3:10 PM	M	BIO 103 10L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
1:10 PM	3:10 PM	R	BIO 105 28L	General Biology	LAB	2.00	28	2.00	28	56	74%
1:10 PM	3:10 PM	T	BIO 103 14L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
1:10 PM	3:10 PM	W	BIO 103 18L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
3:20 PM	5:20 PM	M	BIO 103 11L	Intro Biology	LAB	2.00	28	2.00	28	56	74%
3:20 PM	5:20 PM	R	BIO 105 31L	General Biology	LAB	2.00	28	2.00	28	56	74%
3:20 PM	5:20 PM	W	BIO 103 19L	Intro Biology	LAB	2.00	28	2.00	28	56	74%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0355

Room Use Code: Teaching Lab

Department: Biology	Capacity: 20
Average Enrollment: 20	Assignable Square Feet: 896
Weekly Student Contact Hours: 772	Assignable Sq. Ft. Per Station: 45
Weekly Room Hours: 38.8	Hours in Use Student Station Occupancy: 99%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM	█	█			
8:50 AM	█	█		█	█
9:25 AM	█	█		█	█
9:55 AM	█	█		█	█
11:00 AM	█	█	█	█	█
12:05 PM	█	█	█	█	█
12:40 PM	█	█	█	█	█
1:10 PM	█	█	█	█	█
2:15 PM	█	█	█	█	█
3:20 PM	█	█	█	█	
3:55 PM	█	█	█	█	
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	M	BIO 315 10L Cell Biology	LAB	3.10	21	3.10	21	65	105%
7:45 AM	10:50 AM	T	BIO 315 12L Cell Biology	LAB	3.10	21	3.10	21	65	105%
8:50 AM	10:50 AM	F	BIO 306 14L Genetics	LAB	2.00	19	2.00	19	38	95%
8:50 AM	10:50 AM	R	BIO 306 10L Genetics	LAB	2.00	20	2.00	20	40	100%
11:00 AM	1:00 PM	F	BIO 306 15L Genetics	LAB	2.00	20	2.00	20	40	100%
11:00 AM	2:05 PM	M	BIO 315 11L Cell Biology	LAB	3.10	19	3.10	19	59	95%
11:00 AM	1:00 PM	R	BIO 306 11L Genetics	LAB	2.00	20	2.00	20	40	100%
11:00 AM	2:05 PM	T	BIO 315 13L Cell Biology	LAB	3.10	20	3.10	20	62	100%
11:00 AM	2:05 PM	W	BIO 436 01 Molecular Bio Lab	LLB	3.10	16	3.10	17	53	85%
11:00 AM	2:05 PM	W	BIO 536 01 Molecular Bio Lab	LAB	3.10	1				
1:10 PM	3:10 PM	F	BIO 306 16L Genetics	LAB	2.00	20	2.00	20	40	100%
1:10 PM	3:10 PM	R	BIO 306 12L Genetics	LAB	2.00	19	2.00	19	38	95%
2:15 PM	5:20 PM	M	BIO 315 15L Cell Biology	LAB	3.10	18	3.10	18	56	90%
2:15 PM	5:20 PM	T	BIO 315 14L Cell Biology	LAB	3.10	20	3.10	20	62	100%
2:15 PM	5:20 PM	W	BIO 436 02 Molecular Bio Lab	LLB	3.10	21	3.10	24	74	120%
2:15 PM	5:20 PM	W	BIO 536 02 Molecular Bio Lab	LAB	3.10	3				
3:20 PM	5:20 PM	R	BIO 306 13L Genetics	LAB	2.00	20	2.00	20	40	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0402

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 24
Average Enrollment: 22	Assignable Square Feet: 1,248
Weekly Student Contact Hours: 884	Assignable Sq. Ft. Per Station: 52
Weekly Room Hours: 40.3	Hours in Use Student Station Occupancy: 91%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	F	CHM 103 53L General Chem I	LAB	3.10	26	3.10	26	81	108%
7:45 AM	10:50 AM	M	CHM 103 51L General Chem I	LAB	3.10	19	3.10	19	59	79%
7:45 AM	10:50 AM	R	CHM 103 41L General Chem I	LAB	3.10	24	3.10	24	74	100%
7:45 AM	10:50 AM	T	CHM 103 12L General Chem I	LAB	3.10	24	3.10	24	74	100%
7:45 AM	10:50 AM	W	CHM 103 52L General Chem I	LAB	3.10	17	3.10	17	53	71%
11:00 AM	2:05 PM	F	CHM 103 63L General Chem I	LAB	3.10	10	3.10	10	31	42%
11:00 AM	2:05 PM	M	CHM 103 11L General Chem I	LAB	3.10	23	3.10	23	71	96%
11:00 AM	2:05 PM	R	CHM 103 42L General Chem I	LAB	3.10	24	3.10	24	74	100%
11:00 AM	2:05 PM	T	CHM 103 13L General Chem I	LAB	3.10	26	3.10	26	81	108%
11:00 AM	2:05 PM	W	CHM 103 14L General Chem I	LAB	3.10	23	3.10	23	71	96%
2:15 PM	5:20 PM	M	CHM 103 34L General Chem I	LAB	3.10	23	3.10	23	71	96%
2:15 PM	5:20 PM	R	CHM 103 43L General Chem I	LAB	3.10	23	3.10	23	71	96%
2:15 PM	5:20 PM	W	CHM 103 44L General Chem I	LAB	3.10	23	3.10	23	71	96%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0407

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 20
Average Enrollment: 20	Assignable Square Feet: 1,210
Weekly Student Contact Hours: 499	Weekly Room Hours: 24.8
	Assignable Sq. Ft. Per Station: 61
	Hours in Use Student Station Occupancy: 101%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	CHM 325 12L Survy Biochemistry	LAB	3.10	20	3.10	20	62	100%
9:55 AM	1:00 PM	T	CHM 417 10L Biochemistry I	LAB	3.10	19	3.10	20	62	100%
9:55 AM	1:00 PM	T	CHM 517 10L Biochemistry I	LAB	3.10	1				
11:00 AM	2:05 PM	F	CHM 325 13L Survy Biochemistry	LAB	3.10	19	3.10	19	59	95%
11:00 AM	2:05 PM	R	CHM 417 21L Biochemistry I	LAB	3.10	19	3.10	19	59	95%
12:05 PM	3:10 PM	M	CHM 325 10L Survy Biochemistry	LAB	3.10	20	3.10	20	62	100%
2:15 PM	5:20 PM	R	CHM 417 11L Biochemistry I	LAB	3.10	22	3.10	22	68	110%
2:15 PM	5:20 PM	T	CHM 325 11L Survy Biochemistry	LAB	3.10	21	3.10	21	65	105%
2:15 PM	5:20 PM	W	CHM 417 20L Biochemistry I	LAB	3.10	19	3.10	20	62	100%
2:15 PM	5:20 PM	W	CHM 517 20L Biochemistry I	LAB	3.10	1				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0410

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 24
Average Enrollment: 23	Assignable Square Feet: 1,208
Weekly Student Contact Hours: 731	Assignable Sq. Ft. Per Station: 50
Weekly Room Hours: 31.9	Hours in Use Student Station Occupancy: 96%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	CHM 103 22L General Chem I	LAB	3.10	23	3.10	23	71	96%
7:45 AM	10:50 AM	T	CHM 103 31L General Chem I	LAB	3.10	24	3.10	24	74	100%
11:00 AM	1:00 PM	F	CHM 100 11L Contemporary Chem	LAB	2.00	18	2.00	18	36	75%
11:00 AM	2:05 PM	M	CHM 103 21L General Chem I	LAB	3.10	23	3.10	23	71	96%
11:00 AM	2:05 PM	R	CHM 103 23L General Chem I	LAB	3.10	25	3.10	25	78	104%
11:00 AM	2:05 PM	T	CHM 103 32L General Chem I	LAB	3.10	25	3.10	25	78	104%
11:00 AM	2:05 PM	W	CHM 103 24L General Chem I	LAB	3.10	24	3.10	24	74	100%
2:15 PM	5:20 PM	M	CHM 103 61L General Chem I	LAB	3.10	23	3.10	23	71	96%
2:15 PM	4:15 PM	R	CHM 100 10L Contemporary Chem	LAB	2.00	16	2.00	16	32	67%
2:15 PM	5:20 PM	T	CHM 103 33L General Chem I	LAB	3.10	23	3.10	23	71	96%
2:15 PM	5:20 PM	W	CHM 103 62L General Chem I	LAB	3.10	24	3.10	24	74	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0412

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 20
Average Enrollment: 18	Assignable Square Feet: 1,208
Weekly Student Contact Hours: 368	Assignable Sq. Ft. Per Station: 60
Weekly Room Hours: 20.0	Hours in Use Student Station Occupancy: 92%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	TR	CHM 300 11L Survy Organic Chem	LAB	4.00	16	4.00	16	64	80%
9:55 AM	11:55 AM	TR	CHM 300 12L Survy Organic Chem	LAB	4.00	20	4.00	20	80	100%
12:05 PM	2:05 PM	TR	CHM 300 13L Survy Organic Chem	LAB	4.00	19	4.00	19	76	95%
1:10 PM	3:10 PM	MW	CHM 300 10L Survy Organic Chem	LAB	4.00	18	4.00	18	72	90%
2:15 PM	4:15 PM	TR	CHM 300 14L Survy Organic Chem	LAB	4.00	19	4.00	19	76	95%

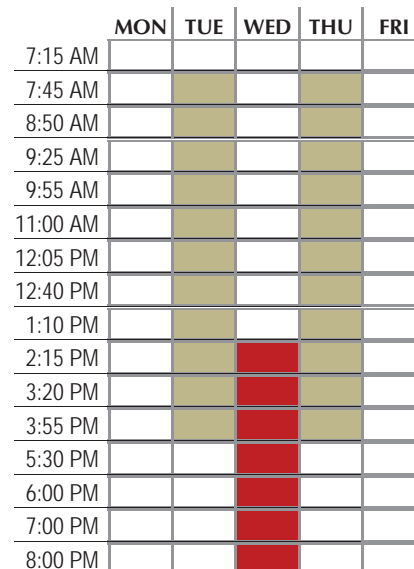
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0420

Room Use Code: *Teaching Lab*

Department: Chemistry	Capacity: 24
Average Enrollment: 24	Assignable Square Feet: 1,228
Weekly Student Contact Hours: 589	Assignable Sq. Ft. Per Station: 51
	Hours in Use Student Station Occupancy: 99%
	Weekly Room Hours: 24.8



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	CHM 104 12L General Chem II	LAB	3.10	23	3.10	23	71	96%
7:45 AM	10:50 AM	T	CHM 104 22L General Chem II	LAB	3.10	23	3.10	23	71	96%
11:00 AM	2:05 PM	R	CHM 104 13L General Chem II	LAB	3.10	24	3.10	24	74	100%
11:00 AM	2:05 PM	T	CHM 104 23L General Chem II	LAB	3.10	24	3.10	24	74	100%
2:15 PM	5:20 PM	R	CHM 104 14L General Chem II	LAB	3.10	23	3.10	23	71	96%
2:15 PM	5:20 PM	T	CHM 104 24L General Chem II	LAB	3.10	24	3.10	24	74	100%
2:15 PM	5:20 PM	W	CHM 104 21L General Chem II	LAB	3.10	24	3.10	24	74	100%
5:30 PM	8:35 PM	W	CHM 104 11L General Chem II	LAB	3.10	25	3.10	25	78	104%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0425

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 24
Average Enrollment: 26	Assignable Square Feet: 1,228
Weekly Student Contact Hours: 639	Assignable Sq. Ft. Per Station: 51
Weekly Room Hours: 24.8	Hours in Use Student Station Occupancy: 107%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	TR	CHM 301 11L Analytical Chem	LAB	6.20	26	6.20	26	161	108%
11:00 AM	2:05 PM	TR	CHM 301 12L Analytical Chem	LAB	6.20	25	6.20	25	155	104%
2:15 PM	5:20 PM	MW	CHM 301 10L Analytical Chem	LAB	6.20	26	6.20	26	161	108%
2:15 PM	5:20 PM	TR	CHM 301 13L Analytical Chem	LAB	6.20	26	6.20	26	161	108%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0455

Room Use Code: *Teaching Lab*

Department: Chemistry	Capacity: 15
Average Enrollment: 4	Assignables: 1,000
Weekly Student Contact Hours: 12	Assignables Per Station: 67
Weekly Room Hours: 3.1	Hours in Use Student Station Occupancy: 27%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
2:15 PM	5:20 PM	M	CHM 314 20L Adv Phys Chem Lab	LAB	3.10	4	3.10	4	12	27%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix C

Scheduled Utilization by Room - Fall 2009

Cowley Hall • CH 0460

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 20
Average Enrollment: 13	Assignables: 74
Weekly Student Contact Hours: 310	Assignables Sq. Ft. Per Station: 74
Weekly Room Hours: 24.8	Hours in Use Student Station Occupancy: 63%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	TR	CHM 305 02 Organic Chem Lab	LAB	6.20	6	6.20	6	37	30%
11:00 AM	2:05 PM	TR	CHM 305 03 Organic Chem Lab	LAB	6.20	20	6.20	20	124	100%
1:10 PM	4:15 PM	MW	CHM 305 01 Organic Chem Lab	LAB	6.20	10	6.20	10	62	50%
2:15 PM	5:20 PM	TR	CHM 305 04 Organic Chem Lab	LAB	6.20	14	6.20	14	87	70%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Teaching Laboratory Utilization Detail by Room - Spring 2010

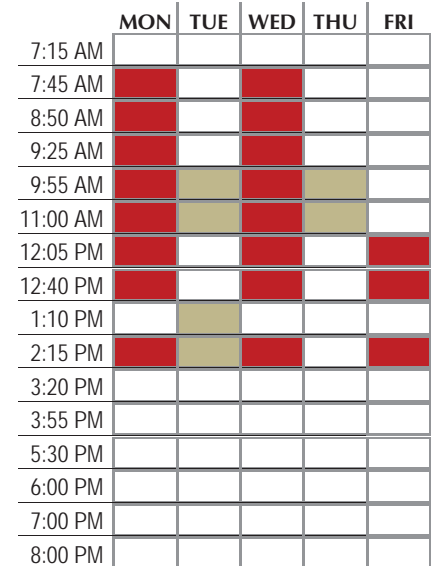
APPENDIX D: TEACHING LABORATORY UTILIZATION DETAIL - SPRING 2010

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0041

Room Use Code: Teaching Lab

Department: Mathematics		Capacity: 48	
Average Enrollment: 23	Assignable Square Feet: 827	Assignable Sq. Ft. Per Station: 17	
Weekly Student Contact Hours: 499	Weekly Room Hours: 20.0	Hours in Use Student Station Occupancy: 52%	



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	M	EDS 422 03 Tch Mth Mthd ECMCEA	LAB	2.00	13	2.00	13	26	27%
7:45 AM	9:45 AM	W	EDS 422 02 Tch Mth Mthd ECMCEA	LAB	2.00	20	2.00	20	40	42%
9:55 AM	10:50 AM	MTWR	MTH 125 01 Math Elem Tchrs I	LAB	4.00	38	4.00	38	152	79%
11:00 AM	11:55 AM	MTWR	MTH 125 02 Math Elem Tchrs I	LAB	4.00	39	4.00	39	156	81%
12:05 PM	1:00 PM	MWF	MTH 353 01 Diffrentl Equations	LEC	3.00	21	3.00	21	63	44%
1:10 PM	3:10 PM	T	EDS 422 01 Tch Mth Mthd ECMCEA	LAB	2.00	19	2.00	19	38	40%
2:15 PM	3:10 PM	MWF	MTH 480 01 Studies Appl Math	LEC	3.00	8	3.00	8	24	17%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0043

Room Use Code: Teaching Lab

Department: Mathematics	Capacity: 42
Average Enrollment: 21	Assignable Square Feet: 737
Weekly Student Contact Hours: 526	Assignable Sq. Ft. Per Station: 18
Weekly Room Hours: 22.8	Hours in Use Student Station Occupancy: 55%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM	Red	Gold	Red	Gold	
8:50 AM	Red	Gold	Red	Gold	
9:25 AM	Red	Gold	Red	Gold	
9:55 AM	Red	Gold	Red	Gold	
11:00 AM	Red	Gold	Red	Gold	
12:05 PM					
12:40 PM					
1:10 PM	Red	Gold	Red		Red
2:15 PM	Red	Gold	Red		
3:20 PM	Red	Gold	Red		
3:55 PM		Gold			
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	8:40 AM	MTWR	MTH 150 01 College Algebra	LEC	4.00	39	4.00	39	156	93%
8:50 AM	9:50 AM	MTWR	MTH 265 01 Math Models in Bio	LEC	4.00	14	4.00	14	56	33%
9:55 AM	10:50 AM	MTWR	MTH 126 02 Math Elem Tchrs II	LAB	4.00	25	4.00	25	100	60%
11:00 AM	11:55 AM	MTWR	MTH 126 01 Math Elem Tchrs II	LAB	4.00	32	4.00	32	128	76%
1:10 PM	2:05 PM	MWF	MTH 447 01 Nonparametric Stat	LEC	3.00	11	3.00	11	33	26%
2:00 PM	4:00 PM	T	SAA 720 02 SAA Special Topics	lab	.80	10	.80	10	8	24%
2:15 PM	3:40 PM	MW	MTH 280 01 Prob Solvng-El Tch	LAB	3.00	15	3.00	15	45	36%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0112

Room Use Code: Teaching Lab

Department: Biology	Capacity: 24
Average Enrollment: 22	Assignable Square Feet: 1,181
Weekly Student Contact Hours: 926	Assignable Sq. Ft. Per Station: 49
	Weekly Room Hours: 42.0
	Hours in Use Student Station Occupancy: 92%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %	
7:45 AM	9:45 AM	F	BIO 312 13L	Human Anatomy & Physiology I	LAB	2.00	23	2.00	23	46	96%
7:45 AM	9:45 AM	M	BIO 313 10L	Human Anatomy & Physiology II	LAB	2.00	23	2.00	23	46	96%
7:45 AM	9:45 AM	T	BIO 313 24L	Human Anatomy & Physiology II	LAB	2.00	13	2.00	13	26	54%
7:45 AM	9:45 AM	W	BIO 313 19L	Human Anatomy & Physiology II	LAB	2.00	19	2.00	19	38	79%
9:55 AM	11:55 AM	F	BIO 312 14L	Human Anatomy & Physiology I	LAB	2.00	25	2.00	25	50	104%
9:55 AM	11:55 AM	M	BIO 313 11L	Human Anatomy & Physiology II	LAB	2.00	23	2.00	23	46	96%
9:55 AM	11:55 AM	R	BIO 312 10L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
9:55 AM	11:55 AM	T	BIO 313 15L	Human Anatomy & Physiology II	LAB	2.00	19	2.00	19	38	79%
9:55 AM	11:55 AM	W	BIO 313 20L	Human Anatomy & Physiology II	LAB	2.00	9	2.00	9	18	38%
12:05 PM	2:05 PM	F	BIO 312 15L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	M	BIO 313 12L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	R	BIO 312 11L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	T	BIO 313 16L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
12:05 PM	2:05 PM	W	BIO 313 21L	Human Anatomy & Physiology II	LAB	2.00	23	2.00	23	46	96%
2:15 PM	4:15 PM	M	BIO 313 13L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	R	BIO 312 12L	Human Anatomy & Physiology I	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	T	BIO 313 17L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
2:15 PM	4:15 PM	W	BIO 313 22L	Human Anatomy & Physiology II	LAB	2.00	23	2.00	23	46	96%
4:25 PM	6:25 PM	M	BIO 313 14L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
4:25 PM	6:25 PM	T	BIO 313 18L	Human Anatomy & Physiology II	LAB	2.00	24	2.00	24	48	100%
4:25 PM	6:25 PM	W	BIO 313 23L	Human Anatomy & Physiology II	LAB	2.00	23	2.00	23	46	96%

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0204A

Room Use Code: Teaching Lab

Department: Geography & Earth Science	Capacity: 42
Average Enrollment: 24	Assignable Square Feet: 420
Weekly Student Contact Hours: 386	Assignable Sq. Ft. Per Station: 10
Weekly Room Hours: 16.0	Hours in Use Student Station Occupancy: 57%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:55 AM	11:55 AM	T	ESC 101 20L Earth Environments	LAB	2.00	31	2.00	31	62	74%
9:55 AM	11:55 AM	W	ESC 101 30L Earth Environments	LAB	2.00	19	2.00	19	38	45%
11:00 AM	11:55 AM	MF	ESC 422 01 Mtrlgy & Wthr Fcst	LLB	2.00	8	2.00	18	36	43%
11:00 AM	11:55 AM	MF	GEO 422 01 Mtrlgy & Wthr Fcst	LLB	2.00	10				
12:05 PM	2:05 PM	W	ESC 101 31L Earth Environments	LAB	2.00	28	2.00	28	56	67%
1:10 PM	3:10 PM	T	ESC 101 21L Earth Environments	LAB	2.00	31	2.00	31	62	74%
2:15 PM	3:10 PM	MW	ESC 250 01 Fund Cartography	LLB	2.00	5	2.00	18	36	43%
2:15 PM	3:10 PM	MW	GEO 250 01 Fund Cartography	LLB	2.00	13				
3:20 PM	5:20 PM	M	ESC 250 10L Fund Cartography	LAB	2.00	5	2.00	18	36	43%
3:20 PM	5:20 PM	M	GEO 250 10L Fund Cartography	LAB	2.00	13				
3:45 PM	5:45 PM	W	ESC 222 10L Landforms:Pro/Rgn	LAB	2.00	30	2.00	30	60	71%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0214

Room Use Code: *Teaching Lab*

Department: Physics & Astronomy		Capacity: 28
Average Enrollment: 22	Assignable Square Feet: 1,710	Assignable Sq. Ft. Per Station: 61
Weekly Student Contact Hours: 610	Weekly Room Hours: 28.0	Hours in Use Student Station Occupancy: 78%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM			█		
9:25 AM			█		
9:55 AM	█	█	█	█	
11:00 AM	█	█	█	█	
12:05 PM	█	█	█		
12:40 PM	█	█	█		
1:10 PM	█	█		█	
2:15 PM		█		█	
3:20 PM	█	█	█		
3:55 PM	█	█	█		
5:30 PM	█	█	█		
6:00 PM	█	█	█		
7:00 PM	█		█		
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	10:50 AM	W	PHY 104 14L Fund Physics II	LAB	2.00	26	2.00	26	52	93%
9:55 AM	11:55 AM	M	PHY 125 10L Phys for Life Sci	LAB	2.00	26	2.00	26	52	93%
9:55 AM	11:55 AM	R	PHY 204 10L General Physics II	LAB	2.00	16	2.00	16	32	57%
9:55 AM	11:55 AM	T	PHY 104 10L Fund Physics II	LAB	2.00	27	2.00	27	54	96%
11:00 AM	1:00 PM	W	PHY 104 15L Fund Physics II	LAB	2.00	13	2.00	13	26	46%
12:05 PM	2:05 PM	M	PHY 125 11L Phys for Life Sci	LAB	2.00	25	2.00	25	50	89%
12:05 PM	2:05 PM	T	PHY 104 11L Fund Physics II	LAB	2.00	28	2.00	28	56	100%
1:10 PM	3:10 PM	R	PHY 204 11L General Physics II	LAB	2.00	6	2.00	6	12	21%
2:15 PM	4:15 PM	T	PHY 104 12L Fund Physics II	LAB	2.00	25	2.00	25	50	89%
3:20 PM	5:20 PM	M	PHY 125 12L Phys for Life Sci	LAB	2.00	25	2.00	25	50	89%
3:20 PM	5:20 PM	W	PHY 104 16L Fund Physics II	LAB	2.00	26	2.00	26	52	93%
4:25 PM	6:25 PM	T	PHY 104 13L Fund Physics II	LAB	2.00	24	2.00	24	48	86%
5:30 PM	7:30 PM	M	PHY 125 13L Phys for Life Sci	LAB	2.00	11	2.00	11	22	39%
5:30 PM	7:30 PM	W	PHY 104 17L Fund Physics II	LAB	2.00	27	2.00	27	54	96%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0217

Room Use Code: Teaching Lab

Department: Geography & Earth Science	Capacity: 30
Average Enrollment: 22	Assignable Square Feet: 1,140
Weekly Student Contact Hours: 486	Assignable Sq. Ft. Per Station: 38
Weekly Room Hours: 23.0	Hours in Use Student Station Occupancy: 70%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	█	█	█	█	
9:25 AM	█	█	█	█	
9:55 AM	█	█	█		█
11:00 AM	█	█	█		█
12:05 PM			█		
12:40 PM			█		
1:10 PM		█	█		█
2:15 PM	█	█	█		
3:20 PM	█		█		
3:55 PM	█		█		
5:30 PM			█		
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION				
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %	
8:50 AM	9:45 AM	MTWR	ESL 101 01	ESL Reading	LEC	4.00	6	4.00	6	24	20%
9:55 AM	10:50 AM	MWF	CS 442 01	Struc of Compilers	LLB	3.00	30	3.00	30	90	100%
9:55 AM	11:55 AM	T	ESC 101 20L	Earth Environments	LAB	2.00	31	2.00	31	62	103%
11:00 AM	11:55 AM	MWF	ESC 422 01	Mtrlgy & Wthr Fcst	LLB	3.00	8	3.00	18	54	60%
11:00 AM	11:55 AM	MWF	GEO 422 01	Mtrlgy & Wthr Fcst	LLB	3.00	10				
12:05 PM	2:05 PM	W	ESC 101 31L	Earth Environments	LAB	2.00	28	2.00	28	56	93%
1:10 PM	2:05 PM	F	GEO 495 01	Smnr in Geo Ethsc	LLB	1.00	6	1.00	6	6	20%
1:10 PM	3:10 PM	T	ESC 101 21L	Earth Environments	LAB	2.00	31	2.00	31	62	103%
2:15 PM	3:10 PM	MW	ESC 250 01	Fund Cartography	LLB	2.00	5	2.00	18	36	60%
2:15 PM	3:10 PM	MW	GEO 250 01	Fund Cartography	LLB	2.00	13				
3:20 PM	5:20 PM	M	ESC 250 10L	Fund Cartography	LAB	2.00	5	2.00	18	36	60%
3:20 PM	5:20 PM	M	GEO 250 10L	Fund Cartography	LAB	2.00	13				
3:45 PM	5:45 PM	W	ESC 222 10L	Landforms:Pro/Rgn	LAB	2.00	30	2.00	30	60	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0220

Room Use Code: *Teaching Lab*

Department: Physics & Astronomy		Capacity: 28
Average Enrollment: 18	Assignable Square Feet: 960	Assignable Sq. Ft. Per Station: 34
Weekly Student Contact Hours: 182	Weekly Room Hours: 10.0	Hours in Use Student Station Occupancy: 65%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:55 AM	11:55 AM	R	PHY 160 10L Stars Galax & Univ	LAB	2.00	18	2.00	18	36	64%
1:10 PM	3:10 PM	F	PHY 334 10L Elec Circuits	LAB	2.00	20	2.00	20	40	71%
1:10 PM	3:10 PM	R	PHY 160 11L Stars Galax & Univ	LAB	2.00	22	2.00	22	44	79%
3:20 PM	5:20 PM	F	PHY 334 11L Elec Circuits	LAB	2.00	16	2.00	16	32	57%
3:20 PM	5:20 PM	R	PHY 160 12L Stars Galax & Univ	LAB	2.00	15	2.00	15	30	54%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0221

Room Use Code: Teaching Lab

Department: Misc Instructional Support Spaces	Capacity: 40
Average Enrollment: 41	Assignable Square Feet: 1,140
Weekly Student Contact Hours: 197	Assignable Sq. Ft. Per Station: 29
Weekly Room Hours: 4.8	Hours in Use Student Station Occupancy: 103%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
12:05 PM	2:30 PM	MW	PHY 106 01 Physicl Sci Educatr	LLB	4.80	41	4.80	41	197	103%

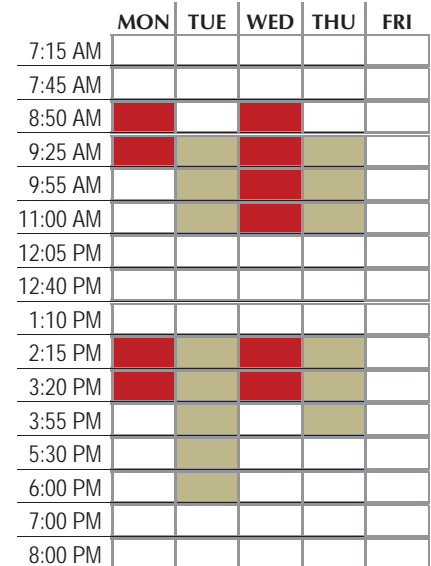
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0245

Room Use Code: Teaching Lab

Department: Geography & Earth Science		Capacity: 30
Average Enrollment: 19	Assignable Square Feet: 1,320	Assignable Sq. Ft. Per Station: 44
Weekly Student Contact Hours: 338	Weekly Room Hours: 18.1	Hours in Use Student Station Occupancy: 62%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	9:45 AM	MW	ESC 385 01	LLB	2.00	6	2.00	23	46	77%
8:50 AM	9:45 AM	MW	GEO 385 01	LLB	2.00	17				
9:25 AM	11:25 AM	R	ESC 440 10L	LAB	2.00	6	2.00	20	40	67%
9:25 AM	11:25 AM	R	GEO 440 10L	LAB	2.00	14				
9:25 AM	11:25 AM	T	ESC 440 01	LLB	2.00	6	2.00	20	40	67%
9:25 AM	11:25 AM	T	GEO 440 01	LLB	2.00	11				
9:25 AM	11:25 AM	T	GEO 440 02	LLB	2.00	3				
9:55 AM	11:55 AM	W	ESC 385 10L	LAB	2.00	6	2.00	23	46	77%
9:55 AM	11:55 AM	W	GEO 385 10L	LAB	2.00	17				
2:15 PM	3:40 PM	MW	ESC 445 01	LLB	3.00	1	3.00	18	54	60%
2:15 PM	3:40 PM	MW	ESC 445 02	LLB	3.00	1				
2:15 PM	3:40 PM	MW	GEO 445 01	LLB	3.00	16				
2:15 PM	5:20 PM	R	GEO 485 01	LLB	3.10	19	3.10	20	62	67%
2:15 PM	5:20 PM	R	GEO 585 01	LLB	3.10	1				
2:15 PM	4:05 PM	T	ESC 455 01	LLB	2.00	3	2.00	13	26	43%
2:15 PM	4:05 PM	T	GEO 455 01	LLB	2.00	10				
4:15 PM	6:15 PM	T	ESC 455 10L	LAB	2.00	3	2.00	12	24	40%
4:15 PM	6:15 PM	T	GEO 455 10L	LAB	2.00	9				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0256

Room Use Code: Teaching Lab

Department: Geography & Earth Science	Capacity: 32
Average Enrollment: 33	Assignable Square Feet: 1,123
Weekly Student Contact Hours: 266	Assignable Sq. Ft. Per Station: 35
Weekly Room Hours: 8.0	Hours in Use Student Station Occupancy: 104%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM			█		
9:25 AM			█		
9:55 AM			█		
11:00 AM			█		
12:05 PM			█		
12:40 PM			█		
1:10 PM					█
2:15 PM			█		█
3:20 PM			█		
3:55 PM			█		
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
8:50 AM	10:50 AM	W	ESC 101 10L Earth Environments	LAB	2.00	29	2.00	29	58	91%
11:00 AM	1:00 PM	W	ESC 101 11L Earth Environments	LAB	2.00	27	2.00	27	54	84%
1:10 PM	3:10 PM	F	ESC 101 03 Earth Environments	LLB	2.00	47	2.00	47	94	147%
2:15 PM	4:15 PM	W	ESC 101 12L Earth Environments	LAB	2.00	30	2.00	30	60	94%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0302

Room Use Code: Teaching Lab

Department: Microbiology	Capacity: 18
Average Enrollment: 19	Assignable Square Feet: 960
Weekly Student Contact Hours: 596	Assignable Sq. Ft. Per Station: 53
Weekly Room Hours: 32.0	Hours in Use Student Station Occupancy: 103%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM	█	█	█	█	
11:00 AM	█	█	█	█	
12:05 PM	█	█	█	█	
12:40 PM	█	█	█	█	
1:10 PM	█	█	█	█	
2:15 PM	█	█	█	█	
3:20 PM	█	█	█	█	
3:55 PM	█	█	█	█	
5:30 PM	█	█	█	█	
6:00 PM	█	█	█	█	
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:55 AM	11:55 AM	MW	MIC 230 10L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
9:55 AM	11:55 AM	TR	MIC 230 14L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
12:05 PM	2:05 PM	MW	MIC 230 11L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
12:05 PM	2:05 PM	TR	MIC 230 15L Fund Microbiology	LAB	4.00	18	4.00	18	72	100%
2:15 PM	4:15 PM	MW	MIC 230 12L Fund Microbiology	LAB	4.00	18	4.00	18	72	100%
2:15 PM	4:15 PM	TR	MIC 230 16L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%
4:25 PM	6:25 PM	MW	MIC 230 13L Fund Microbiology	LAB	4.00	18	4.00	18	72	100%
4:25 PM	6:25 PM	TR	MIC 230 17L Fund Microbiology	LAB	4.00	19	4.00	19	76	106%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0308

Room Use Code: Teaching Lab

Department: Microbiology	Capacity: 30
Average Enrollment: 21	Assignable Square Feet: 1,080
Weekly Student Contact Hours: 248	Assignable Sq. Ft. Per Station: 36
Weekly Room Hours: 12.0	Hours in Use Student Station Occupancy: 69%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	■		■		
9:25 AM	■		■		
9:55 AM	■	■	■	■	
11:00 AM		■		■	
12:05 PM	■		■		
12:40 PM	■		■		
1:10 PM	■		■		
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
8:50 AM	10:50 AM	MW	MIC 406 10L Immunology	LAB	4.00	22	4.00	22	88	73%
9:55 AM	11:55 AM	TR	MIC 407 10L Pathogenic Bact	LAB	4.00	18	4.00	18	72	60%
12:05 PM	2:05 PM	MW	MIC 406 11L Immunology	LAB	4.00	22	4.00	22	88	73%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0314

Room Use Code: *Teaching Lab*

Department: Microbiology	Capacity: 24
Average Enrollment: 14	Assignable Square Feet: 1,080
Weekly Student Contact Hours: 228	Assignable Sq. Ft. Per Station: 45
Weekly Room Hours: 15.4	Hours in Use Student Station Occupancy: 62%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM	█		█		█
9:25 AM	█		█		█
9:55 AM	█		█		█
11:00 AM	█		█		█
12:05 PM					
12:40 PM					
1:10 PM	█		█		
2:15 PM	█		█		
3:20 PM	█		█		
3:55 PM	█		█		
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	11:50 AM	F	MIC 350 10L Bacterial Diversty	LAB	3.00	12	3.00	12	36	50%
8:50 AM	11:55 AM	MW	MIC 425 10L Bacterial Physiol	LAB	6.20	17	6.20	17	105	71%
1:10 PM	4:15 PM	MW	MIC 425 11L Bacterial Physiol	LAB	6.20	14	6.20	14	87	58%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0316

Room Use Code: Teaching Lab

Department: Biology	Capacity: 18
Average Enrollment: 17	Assignable Square Feet: 780
Weekly Student Contact Hours: 171	Assignable Sq. Ft. Per Station: 43
Weekly Room Hours: 10.1	Hours in Use Student Station Occupancy: 94%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	BIO 321 10L Ornithology	LAB	3.10	19	3.10	19	59	106%
8:50 AM	10:50 AM	M	BIO 701 01 Comm Bio Sciences	LLB	2.00	16	2.00	16	32	89%
11:00 AM	11:55 AM	M	BIO 447 01 Std Meth/Wtr Anlys	LLB	1.00	12	1.00	16	16	89%
11:00 AM	11:55 AM	M	BIO 547 01 Std Meth/Wtr Anlys	LLB	1.00	4				
11:00 AM	1:00 PM	WF	BIO 447 10L Std Meth/Wtr Anlys	LAB	4.00	12	4.00	16	64	89%
11:00 AM	1:00 PM	WF	BIO 547 10L Std Meth/Wtr Anlys	LAB	4.00	4				

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0320

Room Use Code: Teaching Lab

Department: Microbiology	Capacity: 24
Average Enrollment: 15	Assignable Square Feet: 870
Weekly Student Contact Hours: 146	Assignable Sq. Ft. Per Station: 36
Weekly Room Hours: 10.4	Hours in Use Student Station Occupancy: 58%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
9:55 AM	11:55 AM	T	MIC 100 10L Microbes & Society	LAB	2.00	17	2.00	17	34	71%
12:05 PM	2:15 PM	R	MIC 100 13L Microbes & Society	LAB	2.20	13	2.20	13	29	54%
12:05 PM	2:15 PM	T	MIC 100 11L Microbes & Society	LAB	2.20	16	2.20	16	35	67%
3:20 PM	5:20 PM	TR	MIC 380 10L Food Microbiology	LAB	4.00	12	4.00	12	48	50%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0325

Room Use Code: Teaching Lab

Department: Biology	Capacity: 30
Average Enrollment: 22	Assignable Square Feet: 1,080
Weekly Student Contact Hours: 522	Assignable Sq. Ft. Per Station: 36
Weekly Room Hours: 24.0	Hours in Use Student Station Occupancy: 73%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM	█				
8:50 AM	█			█	█
9:25 AM	█			█	█
9:55 AM	█	█		█	█
11:00 AM	█	█	█	█	
12:05 PM	█	█	█	█	
12:40 PM	█	█	█	█	
1:10 PM	█	█		█	
2:15 PM	█		█	█	
3:20 PM	█		█		
3:55 PM	█		█		
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	M	BIO 210 10L Animal Biology	LAB	2.00	29	2.00	29	58	97%
8:50 AM	10:50 AM	F	BIO 203 15L Organismal Biology	LAB	2.00	11	2.00	11	22	37%
8:50 AM	10:50 AM	R	BIO 203 12L Organismal Biology	LAB	2.00	8	2.00	8	16	27%
9:55 AM	11:55 AM	M	BIO 210 11L Animal Biology	LAB	2.00	27	2.00	27	54	90%
9:55 AM	11:55 AM	T	BIO 210 14L Animal Biology	LAB	2.00	24	2.00	24	48	80%
11:00 AM	1:00 PM	R	BIO 203 13L Organismal Biology	LAB	2.00	23	2.00	23	46	77%
11:00 AM	1:00 PM	W	BIO 203 10L Organismal Biology	LAB	2.00	19	2.00	19	38	63%
12:05 PM	2:05 PM	M	BIO 210 12L Animal Biology	LAB	2.00	27	2.00	27	54	90%
12:05 PM	2:05 PM	T	BIO 210 15L Animal Biology	LAB	2.00	26	2.00	26	52	87%
1:10 PM	3:10 PM	R	BIO 203 14L Organismal Biology	LAB	2.00	22	2.00	22	44	73%
2:15 PM	4:15 PM	M	BIO 210 13L Animal Biology	LAB	2.00	28	2.00	28	56	93%
2:15 PM	4:15 PM	W	BIO 203 11L Organismal Biology	LAB	2.00	17	2.00	17	34	57%

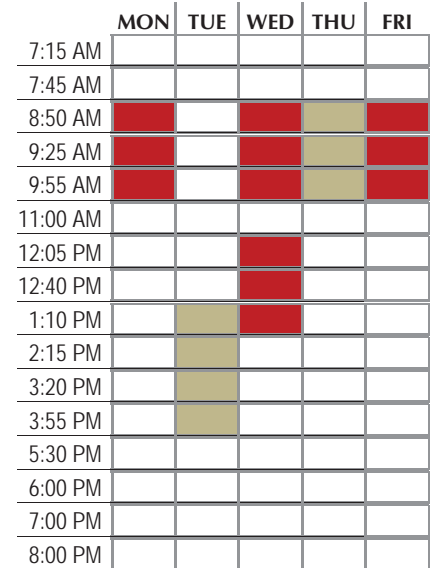
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0331

Room Use Code: *Teaching Lab*

Department: Biology	Capacity: 24
Average Enrollment: 25	Assignable Square Feet: 1,140
Weekly Student Contact Hours: 342	Assignable Sq. Ft. Per Station: 48
Weekly Room Hours: 14.0	Hours in Use Student Station Occupancy: 102%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
8:50 AM	10:50 AM	MF	BIO 408 10L Developmental Bio	LAB	4.00	21	4.00	22	88	92%
8:50 AM	10:50 AM	MF	BIO 508 10L Developmental Bio	LAB	4.00	1				
8:50 AM	10:50 AM	R	BIO 204 14L Plant Biology	LAB	2.00	26	2.00	26	52	108%
8:50 AM	10:50 AM	W	BIO 204 12L Plant Biology	LAB	2.00	25	2.00	25	50	104%
12:05 PM	2:05 PM	W	BIO 204 13L Plant Biology	LAB	2.00	26	2.00	26	52	108%
1:10 PM	3:10 PM	T	BIO 204 10L Plant Biology	LAB	2.00	26	2.00	26	52	108%
3:20 PM	5:20 PM	T	BIO 204 11L Plant Biology	LAB	2.00	24	2.00	24	48	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

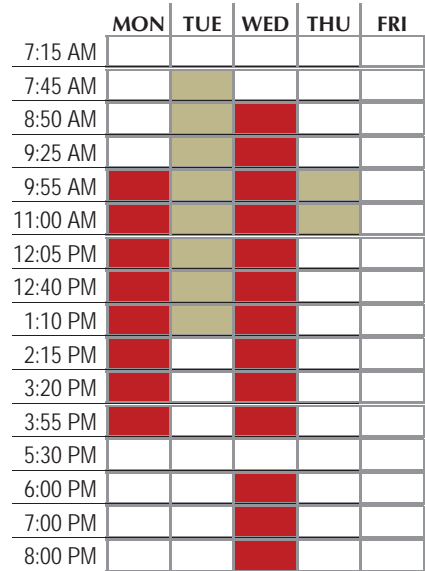
Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0348

Room Use Code: Teaching Lab

Department: Biology	Capacity: 36
Average Enrollment: 21	Assignable Square Feet: 1,433
Weekly Student Contact Hours: 506	Assignable Sq. Ft. Per Station: 40
	Weekly Room Hours: 24.0
	Hours in Use Student Station Occupancy: 59%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	T	BIO 103 13L Intro Biology	LAB	2.00	20	2.00	20	40	56%
8:50 AM	10:50 AM	W	BIO 105 15L General Biology	LAB	2.00	23	2.00	23	46	64%
9:55 AM	11:55 AM	M	BIO 103 10L Intro Biology	LAB	2.00	19	2.00	19	38	53%
9:55 AM	11:55 AM	R	BIO 103 20L Intro Biology	LAB	2.00	20	2.00	20	40	56%
9:55 AM	11:55 AM	T	BIO 103 14L Intro Biology	LAB	2.00	20	2.00	20	40	56%
11:00 AM	1:00 PM	W	BIO 105 16L General Biology	LAB	2.00	24	2.00	24	48	67%
12:05 PM	2:05 PM	M	BIO 103 11L Intro Biology	LAB	2.00	20	2.00	20	40	56%
12:05 PM	2:05 PM	T	BIO 103 15L Intro Biology	LAB	2.00	20	2.00	20	40	56%
1:10 PM	3:10 PM	W	BIO 105 17L General Biology	LAB	2.00	24	2.00	24	48	67%
2:15 PM	4:15 PM	M	BIO 103 12L Intro Biology	LAB	2.00	20	2.00	20	40	56%
3:20 PM	5:20 PM	W	BIO 103 19L Intro Biology	LAB	2.00	20	2.00	20	40	56%
6:15 PM	8:15 PM	W	BIO 105 18L General Biology	LAB	2.00	23	2.00	23	46	64%

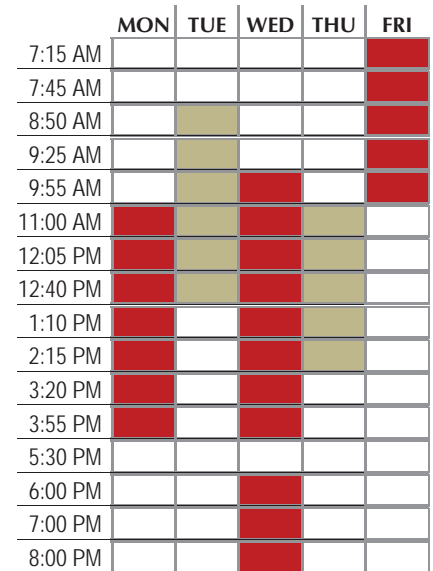
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0354

Room Use Code: *Teaching Lab*

Department: Biology	Capacity: 38
Average Enrollment: 20	Assignable Square Feet: 1,428
Weekly Student Contact Hours: 479	Assignable Sq. Ft. Per Station: 38
Weekly Room Hours: 25.0	Hours in Use Student Station Occupancy: 50%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:15 AM	10:15 AM	F	BIO 105 700 General Biology	LLB	3.00	7	3.00	7	21	18%
8:50 AM	10:50 AM	T	BIO 105 13L General Biology	LAB	2.00	24	2.00	24	48	63%
9:55 AM	11:55 AM	W	BIO 103 16L Intro Biology	LAB	2.00	16	2.00	16	32	42%
11:00 AM	1:00 PM	M	BIO 105 10L General Biology	LAB	2.00	24	2.00	24	48	63%
11:00 AM	1:00 PM	R	BIO 105 20L General Biology	LAB	2.00	24	2.00	24	48	63%
11:00 AM	1:00 PM	T	BIO 105 14L General Biology	LAB	2.00	23	2.00	23	46	61%
12:05 PM	2:05 PM	W	BIO 103 17L Intro Biology	LAB	2.00	20	2.00	20	40	53%
1:10 PM	3:10 PM	M	BIO 105 11L General Biology	LAB	2.00	24	2.00	24	48	63%
1:10 PM	3:10 PM	R	BIO 105 21L General Biology	LAB	2.00	23	2.00	23	46	61%
2:15 PM	4:15 PM	W	BIO 103 18L Intro Biology	LAB	2.00	20	2.00	20	40	53%
3:20 PM	5:20 PM	M	BIO 105 12L General Biology	LAB	2.00	24	2.00	24	48	63%
6:15 PM	8:15 PM	W	BIO 105 19L General Biology	LAB	2.00	7	2.00	7	14	18%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0355

Room Use Code: Teaching Lab

Department: Biology	Capacity: 20
Average Enrollment: 20	Assignable Square Feet: 896
Weekly Student Contact Hours: 697	Assignable Sq. Ft. Per Station: 45
Weekly Room Hours: 34.4	Hours in Use Student Station Occupancy: 101%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM	█	█	█		
8:50 AM	█	█	█	█	█
9:25 AM	█	█	█		
9:55 AM	█	█	█	█	█
11:00 AM	█	█		█	█
12:05 PM	█	█		█	█
12:40 PM	█	█		█	█
1:10 PM	█	█		█	█
2:15 PM		█		█	█
3:20 PM		█	█	█	
3:55 PM		█	█	█	
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	10:45 AM	M	BIO 315 10L Cell Biology	LAB	3.00	21	3.00	21	63	105%
7:45 AM	10:50 AM	T	BIO 315 12L Cell Biology	LAB	3.10	21	3.10	21	65	105%
7:45 AM	10:45 AM	W	BIO 315 14L Cell Biology	LAB	3.00	20	3.00	20	60	100%
8:50 AM	10:50 AM	F	BIO 306 13L Genetics	LAB	2.00	19	2.00	19	38	95%
8:50 AM	10:50 AM	R	BIO 306 15L Genetics	LAB	2.00	20	2.00	20	40	100%
11:00 AM	1:00 PM	F	BIO 306 17L Genetics	LAB	2.00	20	2.00	20	40	100%
11:00 AM	2:05 PM	M	BIO 315 11L Cell Biology	LAB	3.10	20	3.10	20	62	100%
11:00 AM	1:00 PM	R	BIO 306 11L Genetics	LAB	2.00	20	2.00	20	40	100%
11:00 AM	2:05 PM	T	BIO 315 13L Cell Biology	LAB	3.10	20	3.10	20	62	100%
1:10 PM	3:10 PM	F	BIO 306 14L Genetics	LAB	2.00	20	2.00	20	40	100%
1:10 PM	3:10 PM	R	BIO 306 16L Genetics	LAB	2.00	20	2.00	20	40	100%
2:15 PM	5:20 PM	T	BIO 315 15L Cell Biology	LAB	3.10	21	3.10	21	65	105%
3:20 PM	5:20 PM	R	BIO 306 12L Genetics	LAB	2.00	20	2.00	20	40	100%
3:20 PM	5:20 PM	W	BIO 306 10L Genetics	LAB	2.00	21	2.00	21	42	105%

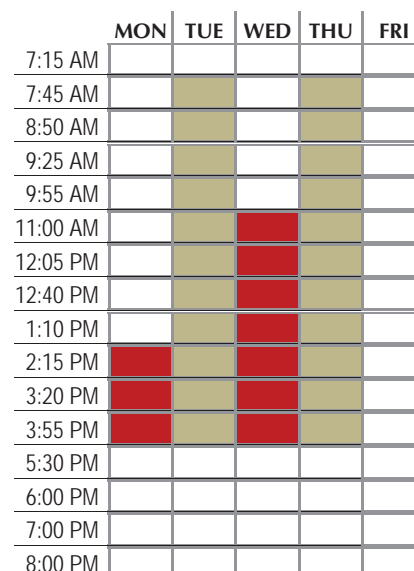
NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0402

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 24
Average Enrollment: 24	Assignable Square Feet: 1,248
Weekly Student Contact Hours: 679	Assignable Sq. Ft. Per Station: 52
Weekly Room Hours: 27.9	Hours in Use Student Station Occupancy: 101%



Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	CHM 103 31L General Chem I	LAB	3.10	24	3.10	24	74	100%
7:45 AM	10:50 AM	T	CHM 103 11L General Chem I	LAB	3.10	22	3.10	22	68	92%
11:00 AM	2:05 PM	R	CHM 103 32L General Chem I	LAB	3.10	26	3.10	26	81	108%
11:00 AM	2:05 PM	T	CHM 103 12L General Chem I	LAB	3.10	24	3.10	24	74	100%
11:00 AM	2:05 PM	W	CHM 103 23L General Chem I	LAB	3.10	24	3.10	24	74	100%
2:15 PM	5:20 PM	M	CHM 103 34L General Chem I	LAB	3.10	24	3.10	24	74	100%
2:15 PM	5:20 PM	R	CHM 103 14L General Chem I	LAB	3.10	25	3.10	25	78	104%
2:15 PM	5:20 PM	T	CHM 103 43L General Chem I	LAB	3.10	26	3.10	26	81	108%
2:15 PM	5:20 PM	W	CHM 103 13L General Chem I	LAB	3.10	24	3.10	24	74	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0407

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 20
Average Enrollment: 19	Assignable Square Feet: 1,210
Weekly Student Contact Hours: 477	Assignable Sq. Ft. Per Station: 61
Weekly Room Hours: 24.8	Hours in Use Student Station Occupancy: 96%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	CHM 325 14L Survy Biochemistry	LAB	3.10	20	3.10	20	62	100%
7:45 AM	10:50 AM	T	CHM 325 13L Survy Biochemistry	LAB	3.10	22	3.10	22	68	110%
7:45 AM	10:50 AM	W	CHM 418 21L Biochemistry II	LAB	3.10	19	3.10	19	59	95%
11:00 AM	2:05 PM	F	CHM 418 22L Biochemistry II	LAB	3.10	18	3.10	18	56	90%
2:15 PM	5:20 PM	M	CHM 325 11L Survy Biochemistry	LAB	3.10	20	3.10	20	62	100%
2:15 PM	5:20 PM	R	CHM 418 12L Biochemistry II	LAB	3.10	17	3.10	17	53	85%
2:15 PM	5:20 PM	T	CHM 418 11L Biochemistry II	LAB	3.10	17	3.10	18	56	90%
2:15 PM	5:20 PM	T	CHM 518 11L Biochemistry II	LAB	3.10	1				
2:15 PM	5:20 PM	W	CHM 325 12L Survy Biochemistry	LAB	3.10	20	3.10	20	62	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0410

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 24
Average Enrollment: 23	Assignable Square Feet: 1,208
Weekly Student Contact Hours: 791	Assignable Sq. Ft. Per Station: 50
Weekly Room Hours: 34.1	Hours in Use Student Station Occupancy: 97%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	R	CHM 103 21L General Chem I	LAB	3.10	24	3.10	24	74	100%
7:45 AM	10:50 AM	T	CHM 103 42L General Chem I	LAB	3.10	24	3.10	24	74	100%
11:00 AM	2:05 PM	F	CHM 104 35L General Chem II	LAB	3.10	22	3.10	22	68	92%
11:00 AM	2:05 PM	M	CHM 104 11L General Chem II	LAB	3.10	20	3.10	20	62	83%
11:00 AM	2:05 PM	R	CHM 103 22L General Chem I	LAB	3.10	25	3.10	25	78	104%
11:00 AM	2:05 PM	T	CHM 104 14L General Chem II	LAB	3.10	19	3.10	19	59	79%
11:00 AM	2:05 PM	W	CHM 104 22L General Chem II	LAB	3.10	22	3.10	22	68	92%
2:15 PM	5:20 PM	M	CHM 103 41L General Chem I	LAB	3.10	25	3.10	25	78	104%
2:15 PM	5:20 PM	R	CHM 103 33L General Chem I	LAB	3.10	25	3.10	25	78	104%
2:15 PM	5:20 PM	T	CHM 104 41L General Chem II	LAB	3.10	23	3.10	23	71	96%
2:15 PM	5:20 PM	W	CHM 103 24L General Chem I	LAB	3.10	26	3.10	26	81	108%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0412

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 20
Average Enrollment: 17	Assignable Square Feet: 1,208
Weekly Student Contact Hours: 276	Assignable Sq. Ft. Per Station: 60
Weekly Room Hours: 16.0	Hours in Use Student Station Occupancy: 86%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	9:45 AM	TR	CHM 300 11L Survy Organic Chem	LAB	4.00	17	4.00	17	68	85%
9:55 AM	11:55 AM	TR	CHM 300 12L Survy Organic Chem	LAB	4.00	19	4.00	19	76	95%
12:05 PM	2:05 PM	TR	CHM 300 13L Survy Organic Chem	LAB	4.00	17	4.00	17	68	85%
2:15 PM	4:15 PM	TR	CHM 300 14L Survy Organic Chem	LAB	4.00	16	4.00	16	64	80%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0420

Room Use Code: *Teaching Lab*

Department: Chemistry	Capacity: 24
Average Enrollment: 22	Assignable Square Feet: 1,228
Weekly Student Contact Hours: 884	Assignable Sq. Ft. Per Station: 51
Weekly Room Hours: 40.3	Hours in Use Student Station Occupancy: 91%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	F	CHM 104 44L General Chem II	LAB	3.10	22	3.10	22	68	92%
7:45 AM	10:50 AM	R	CHM 104 31L General Chem II	LAB	3.10	22	3.10	22	68	92%
7:45 AM	10:50 AM	T	CHM 104 12L General Chem II	LAB	3.10	23	3.10	23	71	96%
7:45 AM	10:50 AM	W	CHM 104 42L General Chem II	LAB	3.10	20	3.10	20	62	83%
11:00 AM	2:05 PM	F	CHM 104 23L General Chem II	LAB	3.10	21	3.10	21	65	88%
11:00 AM	2:05 PM	M	CHM 104 21L General Chem II	LAB	3.10	21	3.10	21	65	88%
11:00 AM	2:05 PM	R	CHM 104 32L General Chem II	LAB	3.10	22	3.10	22	68	92%
11:00 AM	2:05 PM	T	CHM 104 13L General Chem II	LAB	3.10	22	3.10	22	68	92%
11:00 AM	2:05 PM	W	CHM 104 34L General Chem II	LAB	3.10	22	3.10	22	68	92%
2:15 PM	5:20 PM	R	CHM 104 33L General Chem II	LAB	3.10	22	3.10	22	68	92%

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0425

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 24
Average Enrollment: 21	Assignable Square Feet: 1,228
Weekly Student Contact Hours: 521	Assignable Sq. Ft. Per Station: 51
Weekly Room Hours: 24.8	Hours in Use Student Station Occupancy: 88%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	TR	CHM 301 11L Analytical Chem	LAB	6.20	21	6.20	21	130	88%
11:00 AM	2:05 PM	TR	CHM 301 12L Analytical Chem	LAB	6.20	21	6.20	21	130	88%
2:15 PM	5:20 PM	MW	CHM 301 14L Analytical Chem	LAB	6.20	18	6.20	18	112	75%
2:15 PM	5:20 PM	TR	CHM 301 13L Analytical Chem	LAB	6.20	24	6.20	24	149	100%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0455

Room Use Code: *Teaching Lab*

Department: Chemistry	Capacity: 15
Average Enrollment: 14	Assignable Square Feet: 1,000
Weekly Student Contact Hours: 119	Assignable Sq. Ft. Per Station: 67
Weekly Room Hours: 8.5	Hours in Use Student Station Occupancy: 93%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enroll-ment	WRH	Enroll-ment	WSCH	Student Station Occupancy %
1:10 PM	5:20 PM	R	CHM 313 11L Phys Chem Lab	LAB	4.20	14	4.20	14	59	93%
1:10 PM	2:05 PM	T	CHM 313 01 Phys Chem Lab	LLB	1.00	14	1.00	14	14	93%
2:05 PM	5:20 PM	T	CHM 313 11L Phys Chem Lab	LAB	3.30	14	3.30	14	46	93%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours

Appendix D

Scheduled Utilization by Room - Spring 2009

Cowley Hall • CH 0460

Room Use Code: Teaching Lab

Department: Chemistry	Capacity: 20
Average Enrollment: 19	Assignable Square Feet: 1,476
Weekly Student Contact Hours: 577	Assignable Sq. Ft. Per Station: 74
Weekly Room Hours: 31.0	Hours in Use Student Station Occupancy: 93%

	MON	TUE	WED	THU	FRI
7:15 AM					
7:45 AM					
8:50 AM					
9:25 AM					
9:55 AM					
11:00 AM					
12:05 PM					
12:40 PM					
1:10 PM					
2:15 PM					
3:20 PM					
3:55 PM					
5:30 PM					
6:00 PM					
7:00 PM					
8:00 PM					

Graph represents most popular start times and each block does not represent the same amount of time.

Start Time	End Time	Days	Course	COURSE			SECTION			
				TYPE	WRH	Enrollment	WRH	Enrollment	WSCH	Student Station Occupancy %
7:45 AM	10:50 AM	TR	CHM 305 01 Organic Chem Lab	LAB	6.20	18	6.20	18	112	90%
11:00 AM	2:05 PM	MW	CHM 305 04 Organic Chem Lab	LAB	6.20	18	6.20	18	112	90%
11:00 AM	2:05 PM	TR	CHM 305 02 Organic Chem Lab	LAB	6.20	20	6.20	20	124	100%
2:15 PM	5:20 PM	MW	CHM 305 05 Organic Chem Lab	LAB	6.20	19	6.20	19	118	95%
2:15 PM	5:20 PM	TR	CHM 305 03 Organic Chem Lab	LAB	6.20	18	6.20	18	112	90%

NOTE: Concurrent sessions are counted as one section; WRH = Weekly Room Hours; WSCH = Weekly Student Contact Hours