

Campus Physical Plant Capacities
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The following narrative is intended to give some idea of overall campus capacities. There are no specific formulas that can predict an overall capacity of a campus. The best way to determine capacity is through a thorough review of available data mixed with a good dose of intuitive judgment that accounts for campus culture.

Classrooms

Classroom Demand Analysis
 UW-River Falls
 Based on Fall, 2004 Registrar's Data

Section Size Range	Total Sections	Total Room Periods	Required Room Capacity	Required Number of Rooms	Adjusted Required Rooms	Type A Rooms Available	Balance
1-15	147	427.5	23	12.2	13	17	4
16-25	270	783.4	38	22.4	23	28	5
26-35	205	568.5	53	16.2	17	9	-8
36-45	107	317.3	60	9.1	10	1	-9
46-55	62	177.6	73	5.1	5	0	-5
56-65	15	41.0	86	1.2	2	0	-2
66-75	4	11.1	94	0.3	0	1	1
76-85	2	5.8	106	0.2	0	0	0
86-95	8	23.5	109	0.7	2	0	-2
96-105	1	1.0	121	0.0	0	0	0
105+	<u>10</u>	<u>23.2</u>	111+	<u>0.7</u>	<u>2</u>	<u>1</u>	<u>-1</u>
	831	2379.9		68.0	74	57	-17

The chart above demonstrates that the campus has a shortage of large and medium sized classrooms. There are also several classrooms on campus that do not meet contemporary teaching standards and should be replaced. A recent review of curricular records reveals that, based on the UW-System standard utilization rate of 35 scheduled hours per week, we are essentially at capacity for all of our good to fair quality classrooms. There are several classrooms that have scheduled time available, but only in late afternoons, in the evenings, and on weekends.

Laboratories

In general, time availability in laboratories is not a factor limiting campus capacity. The UW-System standard is 24 hours per week of scheduled use. Many labs on campus are not scheduled at all. A recent utilization analysis reveals the following average lab time utilization data, by discipline:

UW-River Falls Scheduled Laboratory Time Utilization Analysis Fall, 2005 Curricular Data	
<u>Department/Discipline</u>	<u>Average Lab Scheduled Hours per Week</u>
<i>College of Agriculture, Food and Environmental Sciences</i>	
Ag. Engineering	9.8
Animal and Food Science	9.0
Plant and Earth Science	18.1
<i>College of Arts and Sciences</i>	
Art	10.4
Biology	21.8
Chemistry	18.9
Geography	21.8
Journalism	25.5
Music	19.5
Physics	12.8
SCTA	17.7
<i>College of Education and Professional Studies</i>	
HHP	7.5
Education	29.1

Note: College of Business and Economics lab courses were taught in computer labs in the library, which are common-use facilities use by all colleges.

The data above needs to be read with caution. Scheduled lab use varies considerably within each discipline. In a few instances, labs configured for general education courses are utilized well above the 24 hours per week standard. In other cases, labs and studios are used well below the 24 hours per week average. My analysis is that with the exception of education, journalism, geography, and biology, lab time availability is not a factor limiting traditional student population growth.

Offices

As of August, 2006, there are no empty office spaces on campus and no room for growth. A preliminary analysis reveals there are 576 office work spaces on campus, with 612 individuals that need access to an office-type work space as part of their work assignment, and this does not count student employees. Obviously some office sharing is taking place. If additional staff are hired, alternative officing will have to be considered, along with better defined officing policies for employees, or more offices constructed by converting existing space.

Computer Labs

As of Fall, 2005, three computer labs in Davee Library were used for scheduled classes, with an average use of 23.3 hours per week. An analysis performed by Information Technology Services in summer, 2006 reveals that after conversion of the Yellow Lab into the Center for Interdisciplinary Inquiry, remaining general access computer labs will be used to capacity during prime times of the day and will not be able to accommodate

additional students. There are several computer labs across campus, however, that could have time scheduled for general access. Increased use of wireless internet access will likely reduce demand for general access computing as well.

Library

Library stacks for the circulating collection are nearing full capacity, which is considered 66 percent full. The same goes for periodicals. Study space is about adequate for a campus of 6,000 with our current mix of disciplines and on-campus residency. The Area Research Center/University Archives is short of archival storage space. Structural limitations of the Davee Library building prevent us from increasing the density of library material storage. In short, the library is essentially full and cannot readily accept much more additional paper-based holdings.

Assembly Space

No space capacity formulas exist to determine the amount of assembly space needed for a campus. However, it should be noted that as campuses grow, the demand for large assembly space usually increases. The campus currently has three large assembly spaces: Davis Theater (350 seats), Abbott Concert Hall (400 seats), and North Hall Auditorium (627 seats). The New Student Union will feature an entertainment complex (~400 seats) and banquet hall (up to 600 people in seats). North Hall Auditorium's seats require replacement with wider seats in rows spaced further apart, which will reduce capacity by 200 or more seats. Should the campus grow much larger than our current 6,000 head count, a larger assembly hall could be needed.

Maintenance Shops

Facilities Management currently has 30 fewer employees than what national standards suggest we should have for a campus our size. A tour through the Facilities Management building quickly shows that space is very well used. Shop space is at a premium. If additional employees are hired, additional shop space will be needed.

Residence Halls

Our residence halls are at or above capacity, which has prompted the campus to accelerate the planned addition to South Fork Suites. The table below contains housing demand information. If the campus wants to grow with traditional students who require on-campus housing, an additional residence hall (or two) will have to be constructed.

<u>Room/Housing Type Demand</u>	<u>Fall,</u> <u>2005</u>	<u>Fall,</u> <u>2006</u>	<u>Fall,</u> <u>2007</u>	<u>Fall,</u> <u>2008</u>	<u>Fall,</u> <u>2009</u>
Doubles	2019	2230	2198	2198	2008
Singles	54	68	150	200	200
Suites	233	235	235	235	470
Resident Assistants (RA's)	<u>72</u>	<u>72</u>	<u>72</u>	<u>72</u>	<u>77</u>
Total Resident Demand	2378	2605	2655	2705	2755
Permanent Beds Available	2332	2318	2236	2186	2416
Projected Deficit in Permanent Beds	-46	-287	-419	-519	-339
Extended Housing (Temporary Beds)	46	160	160	160	160
Resident Assistant Roommates	0	62	62	62	62
Projected Unmet Housing Demand	0	-65	-197	-297	-117

Student Center

The New Student Union was designed for a campus student population of 6,000 with no excess capacity and no opportunity for building expansion. Building use patterns will have to be determined over time as the campus adjusts to the new facility. However, if the campus desires to grow by more than 500 students with traditional, resident students, Rodli Commons may have to continue to be used as a food service facility, particularly during lunch time.