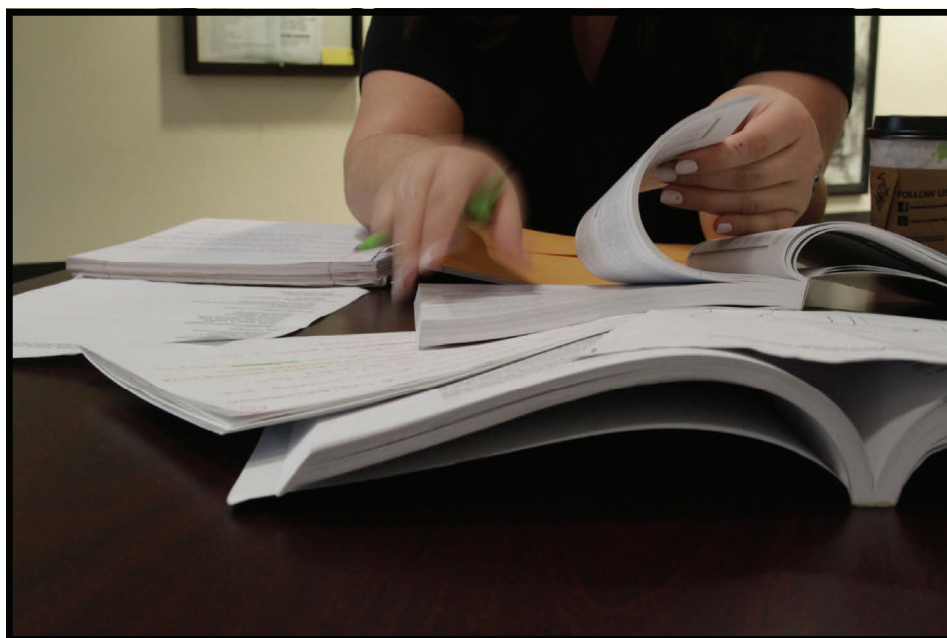


TEACHING AND LEARNING



Section 4: Teaching and Learning

This section includes data for class size, faculty teaching assignment, student course load, Full-time Equivalent Student, Full-time Equivalent Faculty and student-faculty ratio.

Average class sizes and student-faculty ratios are important criteria used by many published college guides for measuring the quality of teaching and learning. In particular, they are used by *US News and World Report* for its college rankings.

TABLE 12: Class Size

	Academic Year									
	2009-10		2010-11		2011-12		2012-13		2013-14	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Number of Sections (Non-supervision)¹										
Lower Division	1,569	1,227	1,415	1,301	1,521	1,284	1,531	1,318	1,522	1,395
Upper Division	1,905	1,825	1,736	1,906	1,834	1,841	1,758	1,841	1,898	1,908
Graduate	425	377	359	342	350	346	339	325	340	301
Total	3,899	3,430	3,510	3,549	3,706	3,471	3,628	3,484	3,760	3,604
Average Section Size (Non-supervision)										
Lower Division	35	37	36	38	38	38	37	37	38	37
Upper Division	35	33	34	33	35	34	36	33	35	33
Graduate	19	19	18	17	18	18	18	17	18	18
<i>Mean</i>	33	33	33	33	35	34	35	33	34	34
Number of Sections (Supervision)²										
Lower Division	127	110	113	106	94	95	107	83	78	90
Upper Division	504	511	447	466	424	490	441	474	485	481
Graduate	553	539	446	485	411	438	393	490	382	401
Total	1,184	1,160	1,006	1,057	929	1,023	941	1,047	945	972

¹ Includes Lecture, Laboratory, Seminar and Activity sections.

² Includes Independent Study, Field Work, Practice Teaching, Work-study, Thesis and Studio Instruction.

Note: Lower Division = Course Number 001-099; Upper Division = 100-199; Graduate = 200-699.

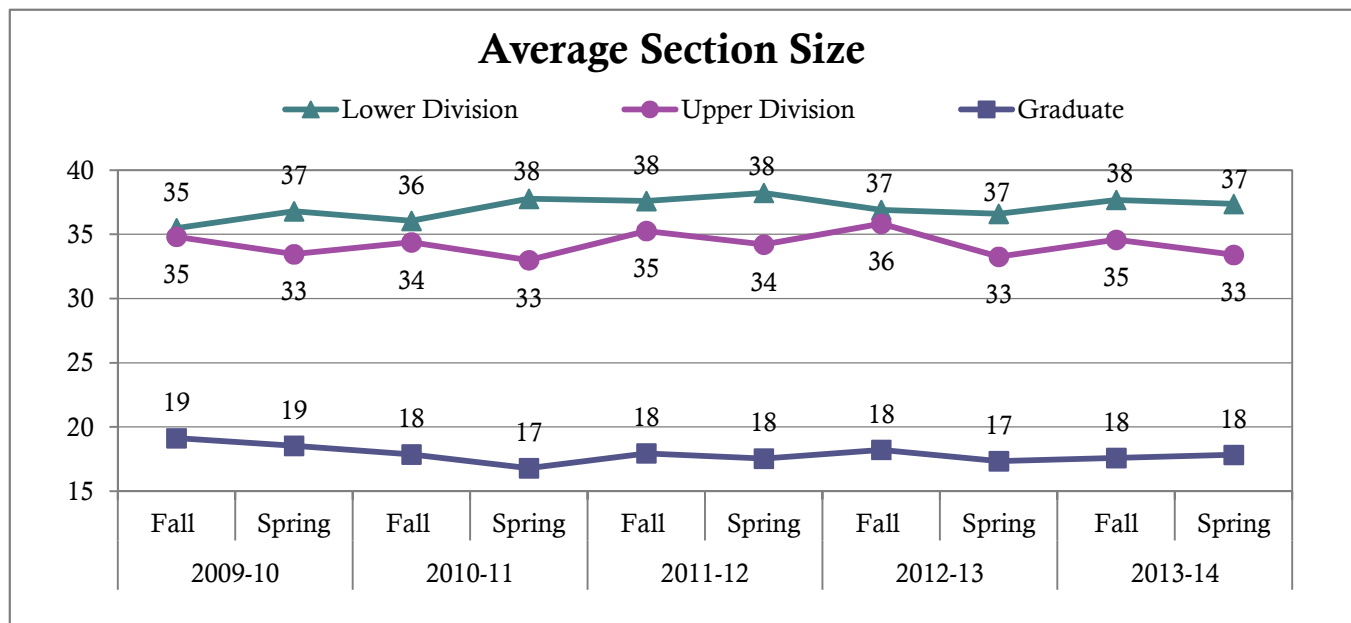


TABLE 13: Average Class Size by College and Level

	Academic Year									
	2009-10		2010-11		2011-12		2012-13		2013-14	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Arts and Letters										
Lower Division	30.9	32.4	32.3	32.8	32.8	33.9	32.4	32.2	34.0	33.7
Upper Division	32.2	30.2	30.9	28.9	32.2	30.3	32.1	29.1	32.3	31.2
Graduate	14.0	13.0	14.2	12.8	13.0	11.9	13.7	12.2	12.7	11.9
Total	30.7	30.7	31.1	30.3	31.9	31.5	31.8	30.3	32.6	31.9
Business Administration										
Lower Division	112.9	195.3	136.8	161.0	140.0	250.2	169.5	170.3	116.6	136.7
Upper Division	57.8	61.5	58.7	57.3	57.1	56.3	56.5	49.3	46.1	44.6
Graduate	24.3	28.3	25.6	21.4	23.0	23.0	24.4	24.4	25.8	27.4
Total	59.9	66.8	62.3	60.9	62.0	64.2	62.4	55.5	52.5	52.5
Education										
Lower Division	33.1	38.5	33.8	36.6	32.1	34.6	31.5	30.4	31.5	29.5
Upper Division	27.3	25.3	26.7	23.9	25.8	25.3	28.8	23.8	29.2	26.9
Graduate	20.3	20.6	20.7	19.4	19.7	18.9	20.5	19.5	18.5	20.4
Total	25.2	24.5	25.6	23.8	24.8	24.5	26.7	23.5	27.1	26.1
Engineering and Computer Science										
Lower Division	27.2	27.7	28.3	27.4	29.2	27.4	29.1	27.6	29.6	29.2
Upper Division	22.8	24.0	23.4	24.5	25.5	25.6	27.5	27.8	28.2	29.2
Graduate	21.5	14.8	15.2	12.8	17.1	15.0	14.8	12.5	16.7	15.2
Total	24.0	23.9	23.8	23.8	25.8	24.8	26.5	26.0	27.4	27.4
Health and Human Services										
Lower Division	35.0	37.4	36.7	37.0	38.7	36.1	37.4	36.5	39.2	40.4
Upper Division	35.0	33.4	33.9	33.4	34.8	34.5	35.0	33.5	32.4	32.7
Graduate	20.7	21.1	19.6	19.5	19.9	19.8	20.1	20.4	19.8	19.9
Total	32.6	32.0	32.1	32.1	33.4	32.6	33.3	32.0	31.5	31.9
Natural Sciences and Mathematics										
Lower Division	36.9	36.3	37.3	39.2	39.4	37.7	37.9	36.7	37.5	35.7
Upper Division	27.8	25.3	27.8	25.7	29.5	26.8	29.4	26.1	28.0	25.9
Graduate	16.9	11.3	12.8	9.9	14.8	12.1	15.4	12.4	14.7	11.4
Total	33.2	31.5	33.3	33.5	35.5	33.0	34.5	32.4	33.8	31.8
Social Sciences and Interdisciplinary Studies										
Lower Division	55.6	58.1	52.6	56.2	56.1	56.7	59.2	55.7	57.7	58.8
Upper Division	41.3	40.1	41.1	40.1	44.0	44.0	46.6	46.1	46.3	43.7
Graduate	13.5	14.9	12.6	13.0	13.5	14.6	12.3	11.8	12.1	13.1
Total	43.2	41.9	41.8	42.5	45.7	45.7	48.2	46.2	47.7	46.0

TABLE 13: Average Class Size by College and Level

Academic Year										
2009-10			2010-11		2011-12		2012-13		2013-14	
Special Programs										
Lower Division	14.4	10.9	13.4	11.5	16.0	11.7	16.1	13.3	17.7	12.1
Upper Division	12.3	18.9	14.6	25.3	18.3	22.3	16.8	21.9	16.0	25.0
Graduate										
Total	14.1	12.5	13.6	14.0	16.3	13.8	16.2	15.3	17.5	15.2
Grand Total										
Lower Division	35.5	36.8	36.0	37.8	37.6	38.2	36.9	36.6	37.7	37.4
Upper Division	34.8	33.5	34.4	33.0	35.3	34.2	35.8	33.3	34.6	33.4
Graduate	19.1	18.5	17.9	16.8	17.9	17.5	18.2	17.3	17.6	17.8
Total	33.4	33.0	33.4	33.2	34.6	34.0	34.6	33.0	34.3	33.6

¹ Includes Lecture, Laboratory, Seminar and Activity sections.

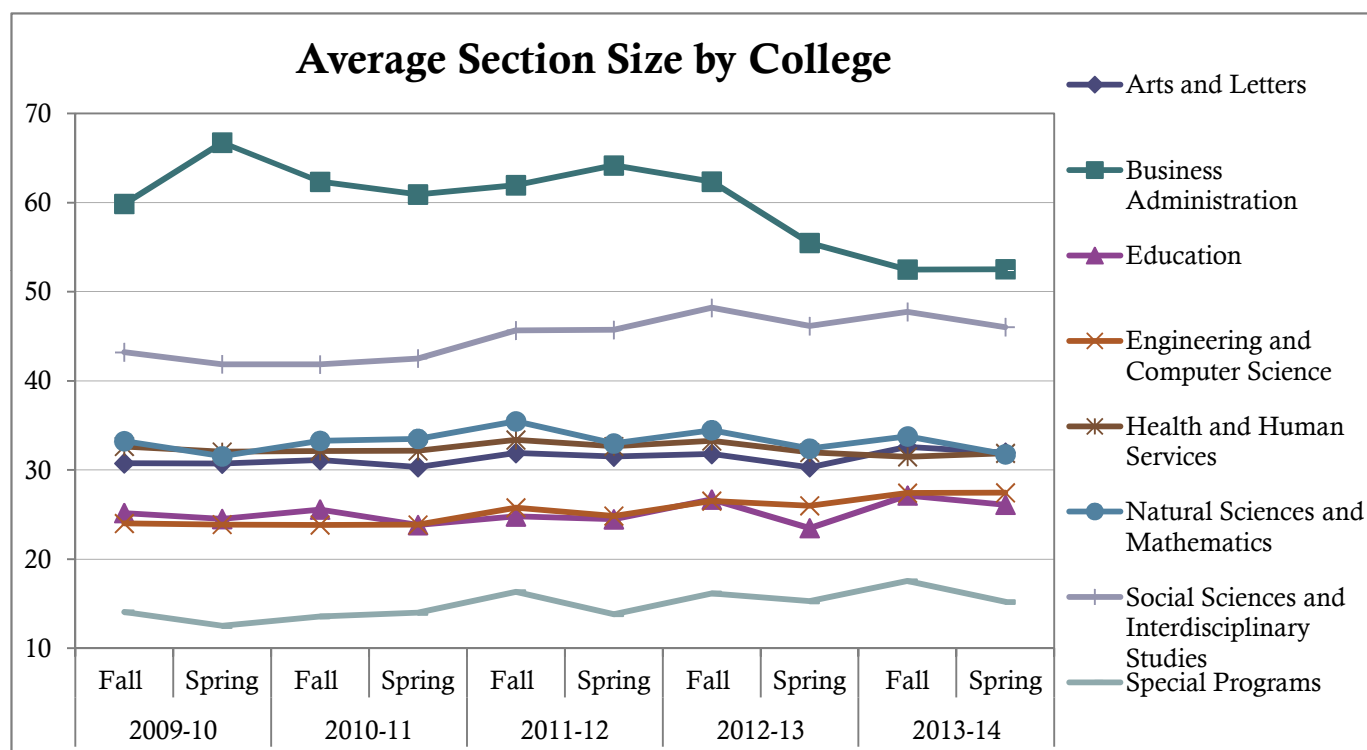


TABLE 14: FTE and Student/Faculty Ratio

	Academic Year									
	2009-10		2010-11		2011-12		2012-13		2013-14	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Student FTE (FTES)¹										
Lower Division	9,366.0	7,622.3	8,586.6	8,310.8	9,557.0	8,271.8	9,614.1	8,240.6	9,760.7	8,833.2
Upper Division	12,695.1	11,739.9	11,387.2	11,937.4	12,211.1	11,983.3	12,005.5	11,596.2	12,284.7	11,925.8
Graduate	2,565.4	2,334.2	2,073.4	1,919.6	1,970.9	1,839.1	1,868.5	1,744.3	1,704.2	1,550.9
Total	24,626.5	21,696.4	22,047.1	22,167.8	23,739.0	22,094.1	23,488.1	21,581.0	23,749.5	22,309.9
Faculty FTE (FTEF)²										
Lower Division	307.4	258.6	276.5	265.5	291.9	258.8	288.8	262.6	295.5	278.0
Upper Division	486.4	469.1	446.9	483.1	464.6	461.6	445.0	457.3	476.8	478.5
Graduate	167.8	157.2	144.9	146.4	137.7	137.9	127.1	132.9	127.8	126.2
Total	961.6	884.8	868.3	895.0	894.3	858.4	860.9	852.8	900.1	882.7
Student/Faculty Ratio (SFR)³										
Lower Division	30.4	29.5	31.0	31.3	32.7	32.0	33.3	31.4	33.0	31.8
Upper Division	26.0	24.9	25.4	24.7	26.2	25.9	26.9	25.3	25.7	24.9
Graduate	12.5	12.2	11.7	10.8	11.7	10.9	11.9	10.7	10.9	10.0
Total	25.1	24.0	24.9	24.4	26.1	25.3	26.8	24.9	26.0	24.9

¹ Full-Time Equivalent Students is the sum of Student Credit Units (SCU) divided by 15. Starting fall 2006, FTES is SCU/12 for Classified Graduate Students plus SCU/15 for all other students. (Unclassified Graduate Students include post baccalaureates pursuing a second bachelor's degree, or otherwise not admitted to a graduate degree, or credential program students; these students are combined with undergraduates when computing FTES.) For example, HRS 122 in spring 2007 was a 3-credit class with 47 undergraduate students and 1 classified graduate student enrolled. Thus, FTES is computed as $(47 \times 3) / 15 + (1 \times 3) / 12 = 9.4 + 0.25 = 9.65$

² Full-time Equivalent Faculty: Each full-time (workload of 15 weighted teaching units) permanent faculty member is defined as 1.0 FTEF, even though he/she teaches only nine months a year. The FTEF for a part-time faculty member is defined as workload divided by 15. For example, a part-time faculty member teaching two three-unit classes is counted as $6 / 15 = 0.4$ FTEF.

³ Student-Faculty Ratio is FTES divided by FTEF

TABLE 15: FTE and Student-Faculty Ratio by College

	Academic Year									
	2009-10		2010-11		2011-12		2012-13		2013-14	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Arts and Letters										
FTE Student	7,054.4	6,026.8	6,406.0	5,929.5	6,835.3	5,990.4	7,167.5	5,982.8	6,726.9	6,287.3
FTE Faculty	269.9	240.4	238.9	235.2	244.6	227.9	246.1	229.2	250.3	236.6
Student/Faculty Ratio	25.9	24.9	26.6	25.0	27.8	26.1	29.0	26.0	26.7	26.4
Business Administration										
FTE Student	2,697.4	2,575.0	2,510.8	2,472.2	2,354.4	2,314.2	2,043.3	1,911.6	2,058.7	2,025.2
FTE Faculty	74.5	68.2	73.8	73.4	69.0	66.1	58.4	61.5	65.1	64.3
Student/Faculty Ratio	35.8	37.4	33.7	33.5	33.9	34.8	34.7	30.8	31.3	31.2
Education										
FTE Student	2,465.9	2,358.5	2,105.8	2,126.8	2,166.0	2,179.8	2,255.1	1,998.4	2,351.6	2,113.0
FTE Faculty	120.4	119.1	104.6	109.1	104.6	106.7	103.4	102.7	108.4	108.3
Student/Faculty Ratio	19.0	18.5	18.8	18.4	19.4	19.3	20.5	18.3	20.7	18.7
Engineering and Computer Science										
FTE Student	1,303.4	1,128.5	1,167.8	1,124.7	1,265.8	1,157.4	1,248.4	1,177.5	1,392.3	1,322.6
FTE Faculty	67.7	60.9	64.5	64.1	66.5	59.2	60.1	57.8	64.6	64.2
Student/Faculty Ratio	18.3	17.7	17.4	17.0	18.4	18.9	20.2	19.8	20.9	20.0
Health and Human Services										
FTE Student	3,710.5	3,325.2	3,351.5	3,465.1	3,681.5	3,442.0	3,626.9	3,294.4	3,546.6	3,303.5
FTE Faculty	150.7	135.6	137.7	146.7	147.0	139.8	140.7	135.2	145.0	139.3
Student/Faculty Ratio	23.7	23.6	23.5	22.9	24.2	23.9	24.9	23.6	23.7	23.0
Natural Sciences and Mathematics										
FTE Student	2,864.6	2,666.6	2,590.9	2,832.2	2,954.7	2,773.2	2,795.4	2,789.9	3,008.2	2,888.0
FTE Faculty	109.9	116.3	101.2	111.5	108.5	108.2	104.3	111.8	109.9	115.6
Student/Faculty Ratio	25.9	22.8	25.5	25.3	27.1	25.5	26.7	24.9	27.3	24.9
Social Sciences and Interdisciplinary Studies										
FTE Student	4,409.5	3,537.2	3,774.3	4,131.1	4,344.8	4,148.3	4,214.0	4,329.8	4,522.7	4,261.6
FTE Faculty	153.5	131.4	132.9	141.0	139.2	134.7	132.2	138.7	142.1	138.4
Student/Faculty Ratio	28.4	26.6	28.1	29.0	30.9	30.6	31.6	31.0	31.7	30.6
Special Programs										
FTE Student	120.7	78.5	140.1	86.2	136.5	88.8	137.5	96.8	142.5	108.8
FTE Faculty	14.9	12.9	14.9	14.0	14.9	15.6	15.7	15.9	14.6	16.0
Student/Faculty Ratio	8.1	6.1	9.4	6.2	9.2	5.7	8.8	6.1	9.7	6.8
University										
FTE Student	24,626.5	21,696.4	22,047.1	22,167.8	23,739.0	22,094.1	23,488.1	21,581.0	23,749.5	22,309.9
FTE Faculty	961.6	884.8	868.3	895.0	894.3	858.4	860.9	852.8	900.1	882.7
Student/Faculty Ratio	25.1	24.0	24.9	24.4	26.1	25.3	26.8	24.9	26.0	24.9

TABLE 15: FTE and Student-Faculty Ratio by College (Continued)

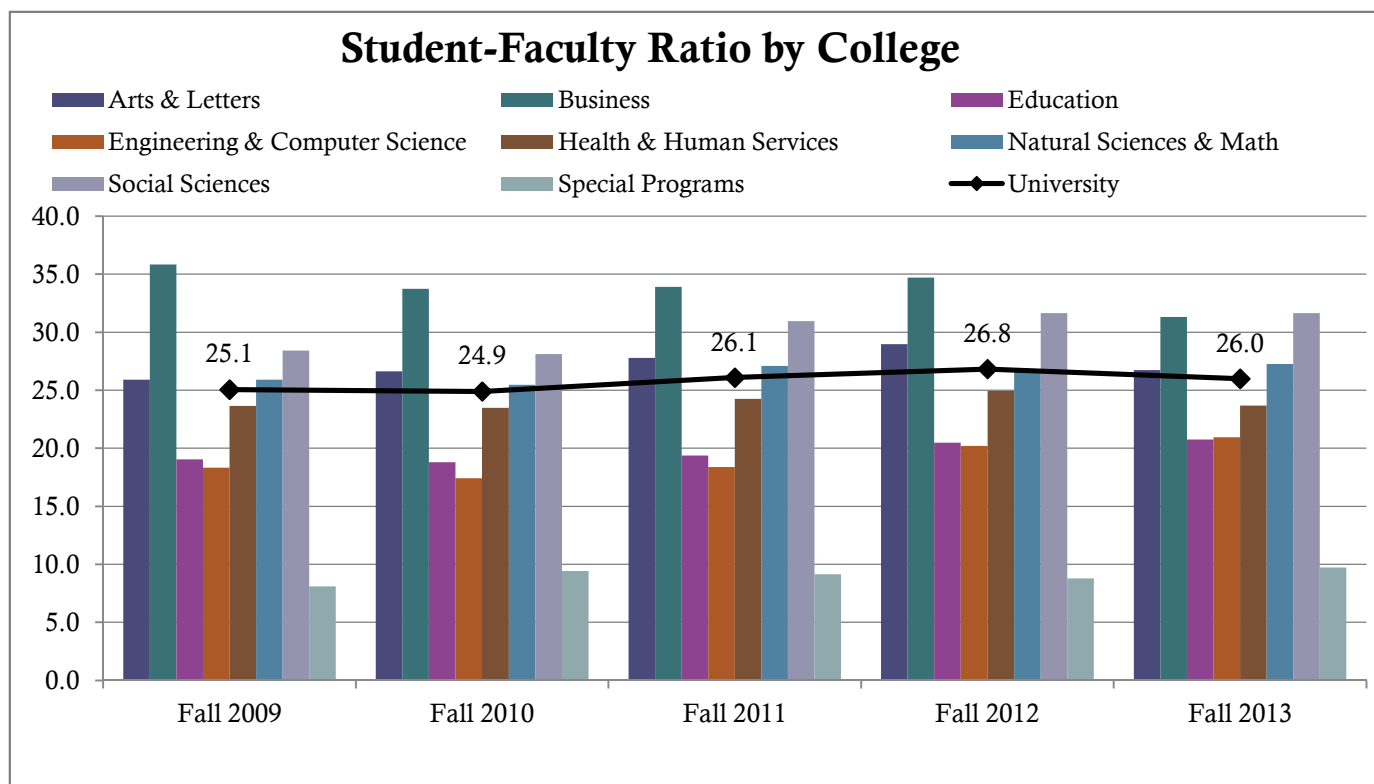


TABLE 16: Faculty Teaching Load by College

	Academic Year									
	2009-10		2010-11		2011-12		2012-13		2013-14	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Weighted Teaching Units (WTU)¹										
Arts and Letters	4,020	3,363	3,564	3,338	3,598	3,213	3,778	3,334	3,430	3,320
Business Administration	720	620	649	644	611	594	533	563	630	635
Education	2,023	1,986	1,655	1,692	1,639	1,673	1,605	1,578	1,720	1,634
Engineering & Computer Science	930	803	837	808	828	766	797	770	867	825
Health & Human Services	2,071	1,897	1,887	1,939	1,949	1,872	1,892	1,821	1,984	1,999
Natural Sciences & Mathematics	1,493	1,459	1,323	1,454	1,408	1,428	1,403	1,461	1,491	1,548
Social Sciences & Inter. Studies	1,683	1,531	1,471	1,666	1,569	1,585	1,489	1,611	1,681	1,621
Special Programs	250	226	288	221	248	213	259	240	246	238
Total	13,192	11,885	11,674	11,764	11,851	11,344	11,757	11,379	12,049	11,820
Student Credit Unit (SCU)²										
Arts and Letters	104,931	89,684	95,381	88,342	101,924	89,331	106,959	89,248	100,343	93,803
Business Administration	40,072	38,263	37,323	36,816	35,101	34,491	30,395	28,422	30,595	30,107
Education	34,390	32,962	29,499	30,111	30,401	30,839	31,769	28,138	33,726	30,338
Engineering & Computer Science	18,599	16,193	16,861	16,327	18,333	16,808	18,213	17,190	20,297	19,291
Health & Human Services	53,474	48,007	48,461	50,352	53,470	50,097	52,629	47,818	51,500	48,031
Natural Sciences & Mathematics	42,704	39,775	38,656	42,298	44,102	41,445	41,717	41,687	44,919	43,178
Social Sciences & Inter. Studies	65,424	52,419	56,015	61,397	64,586	61,723	62,741	64,507	67,450	63,592
Special Programs	1,809	1,175	2,100	1,292	2,046	1,332	2,062	1,450	2,135	1,630
Total	361,403	318,478	324,296	326,935	349,963	326,066	346,485	318,460	350,965	329,970

¹ WTU represents the total weighted teaching workload due to sections taught (all instructional modes) as well as all assigned time activity.

² Student Credit Unit (SCU) identifies the total number of earned course credit units for all students enrolled in a given section. For example, HRS 122 in spring 2007 was a 3-unit class with 48 students enrolled. Thus, SCU is computed as 48*3=144.

For non-supervision segment (CS Number 01 thru 21), WTU is computed as the product of Course Credit Units and a "K factor" obtained as follows:

CS Number	K factor	CS Number	K factor
01 thru 04 (lecture)	1.0	16, 17 (lab)	2.0
05 thru 06 (seminar)	1.0	18 (activity)	6.0
07 thru 14 (activity)	1.3	19 thru 21 (activity)	3.0
15 (lab)	1.5		

For a "supervision" resource segment (CS Number 23, 24, 25, 36, & 48), WTU is computed as enrollment times an adjusting factor obtained as follows:

CS Number	Adjusting Factor	CS Number	Adjusting Factor
23	1.00	36	0.33
24	0.67	48	0.25
25	0.50	77-78	0.00

TABLE 17: Student Course Load by College

	Academic Year										
	2009-10		2010-11		2011-12		2012-13		2013-14		2014
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
Undergraduate Students (Mean Units)											
Arts and Letters	12.6	12.6	12.2	12.6	12.7	12.5	12.4	12.6	12.7	12.6	12.5
Business Administration	12.7	12.7	12.1	12.5	12.6	12.3	11.9	12.1	12.1	12.1	11.9
Education	12.9	13.1	12.5	12.9	12.9	12.8	12.5	12.7	12.4	12.6	12.6
Engineering & Computer Science	13.0	13.2	12.6	12.9	13.0	12.7	12.4	12.7	12.7	12.6	12.4
Health & Human Services	13.2	13.0	12.5	12.8	12.9	12.7	12.3	12.7	12.5	12.4	12.2
Natural Sciences & Mathematics	12.5	12.5	12.3	12.4	12.5	12.3	12.2	12.3	12.2	12.2	11.9
Social Sciences & Inter. Studies	12.5	12.5	12.1	12.4	12.5	12.3	12.1	12.3	12.4	12.2	12.2
Special Programs	12.8	11.6	11.4	11.7	13.9	11.9	12.2	11.4	12.5	12.5	12.1
Undeclared	11.9	12.0	12.2	11.4	12.2	11.9	12.2	10.6	12.0	9.6	10.1
Total	12.7	12.7	12.3	12.5	12.7	12.5	12.2	12.3	12.4	12.2	12.1
Graduate Students (Mean Units)											
Arts and Letters	7.6	7.2	6.8	6.7	6.9	6.9	6.9	7.1	7.1	7.2	7.1
Business Administration	7.9	7.5	7.1	6.7	6.5	6.8	7.0	6.8	7.2	7.2	7.1
Education	11.6	12.0	11.6	12.0	11.8	11.6	11.9	11.1	12.4	11.6	12.4
Engineering & Computer Science	6.9	6.2	5.9	5.9	6.8	6.5	6.8	7.0	7.2	7.3	7.5
Health & Human Services	11.0	11.3	11.2	11.5	11.9	12.1	11.7	12.0	12.0	12.0	12.4
Natural Sciences & Mathematics	6.9	7.1	6.5	5.9	6.2	5.9	6.3	6.1	6.2	5.6	6.5
Social Sciences & Inter. Studies	7.0	7.1	6.7	6.9	7.1	6.7	6.5	6.6	6.7	6.4	7.0
Special Programs	9.2	8.1	7.2	8.3	6.3	6.2	6.0	5.4	5.0	5.5	6.3
Undeclared	5.4	9.5	4.2	5.6	4.8	5.9	16.6	5.8		6.4	3.0
Total	9.6	9.8	9.3	9.5	9.8	9.6	9.9	9.6	10.1	9.7	10.1