

Teaching activity of CU-Boulder faculty in 2009-10

Lou McClelland, Planning, Budget, and Analysis, November 2010, revised Jan 2011

Posted as <http://www.colorado.edu/pba/facstaff/UCBLoads2009-10.pdf>

Summary

This characterizes the teaching activity of University of Colorado at Boulder faculty in academic year 2009-10. The characterization involves

- **Identifying the faculty for consideration:** Tenured and tenure-track (TTT) faculty with top appointments of professor, associate professor, assistant professor, or distinguished professor (N = 1,127), and instructors and senior instructors (N = 332).
- Listing the “**standard teaching loads**” of each group by school and college
 - The standard load averages 3.3 organized course sections per academic year for tenured and tenure-track faculty, 6.0 for instructors and senior instructors.
- Calculating for each individual several **indicators of teaching activity** for fall 2009 and spring 2010 combined, including number of graded organized course sections, average size (number of enrollments) of each section, number of enrollments in independent study, dissertation, etc., and student credit hours (SCH) for organized sections, for independent work, and total.
- Calculating for each individual a "Percentage Time Available" [for teaching] over the two terms. This can be considered a "**teacher equivalent**" or "**teaching FTE**" or **TFTE** for the person in the academic year. TFTE is 1.0 (100%) if the individual is appointed full-time, both terms, with 100% of pay coming from the general fund, with no attributes making them unavailable for teaching.
 - TFTE is 1.0 for 56% of instructors and senior instructors and 60% of the TTT. It averages 0.81 for both instructors/senior instructors and TTT.
- **Expressing the teaching activity as “per TFTE”** – per full-time teaching equivalent – for each group, then by school and college.
 - In 2009-10, 910 teaching full-time equivalent TTT faculty, from 1,127 TTT headcount, taught an average of 3.2 organized course sections and supervised an average of 6.6 students doing independent study, theses, or dissertations, thereby generating an average of 395 student credit hours (SCH) per TFTE. The organized course sections taught by TTT averaged 42 students.
- **Comparing teaching activity per TFTE to standard loads.**
 - Overall, instructors/senior instructors taught slightly more than the number of “standard” sections per TFTE (6.0 standard, 6.2 actual), TTT very slightly fewer (3.3 standard, 3.2 actual).

Details and tables follow.

The faculty: The faculty considered here includes two groups of individuals with appointments in 2009-10:

- Tenured and tenure-track (TTT) with top appointment of professor, associate professor, assistant professor, or distinguished professor. N = 1,127
 - This excludes those with tenure with other top appointments such as chancellor, associate vice chancellor, research institute director, dean, and others, many of whom do teach.
- Instructors and senior instructors. N = 322

Identification and classification are based on the individual's tenure-track status from the Faculty Information System and on the individual's appointment(s), job classification, and other attributes from PeopleSoft human resource system fall 2009 and spring 2010. Tenured and tenure-track and instructors/senior instructors are known jointly as *regular faculty* in Board of Regent policies.

We exclude entirely faculty rostered in the libraries, who have no teaching expectation, and the few faculty rostered in continuing education. Instructional staff with other titles—lecturers, adjunct, adjoint, visiting, graduate part-time instructors, etc. – are not considered here.

The standard teaching loads

CU-Boulder schools and colleges	Standard Annual Teaching Load (N of primary organized course sections per academic year)	
	Tenured-tenure-track faculty	Instructors/Senior instructors
College of Arts & Sciences	3.2	6.0
Leeds School of Business	4.0	6.0
School of Education	4.0	6.0
College of Engineering and Applied Sciences	3.0	6.0
School of Journalism & Mass Communication	4.0	6.0
School of Law	4.0	6.0
College of Music	4.0	6.0

Sources:

- Loads for tenured and tenure-track from
 - "Teaching load of tenured and tenure track faculty" by Lou McClelland & Dave Deffenbacher, CU-Boulder PBA, April 2006; <http://www.colorado.edu/pba/facstaff/report.pdf>.
 - This report was a collaborative product of Faculty Affairs, the College of Arts & Sciences & PBA. Standard loads were collected by Faculty Affairs. What's shown for A&S is an average over departments. Standard load was the same in all Engineering departments.
 - See Display 10, PDF page 19, and Display 11.2, PDF page 21, for full listings.
- Loads for instructors/senior instructors
 - From Arts and Sciences, specified on web at <http://www.colorado.edu/ArtsSciences/facultystaff/administration/instructortable.html>
 - Others: Based on Boulder Campus Guidelines for the Appointment Evaluation and Promotion of Lecturer and Instructor Rank Faculty (Instructor's Bill of Rights) <http://www.colorado.edu/FacultyGovernance/resources/instbofr.html>

- which states that full-time appointment "typically includes three to five 3-credit courses per semester." Six is thus a minimum standard.
- Independent instruction (e.g., dissertation supervision) and secondary sections such as labs and recitations are not included in the standard loads for either group.
- PBA Nov 2010 L:\IR\facstaff\FacLoad\10-11\UCBLoads.xlsx

The teaching: For each person in each group, for fall 2009 and spring 2010 combined, we collected data on several indicators of teaching activity:

- Number of organized course sections, excluding ungraded labs and recitations, adjusted for the person's listed percent responsibility. E.g., if Dr. A is fully responsible for 3 sections and 50% responsible for 2 more, her total is 4. Team-taught sections are listed with shared responsibility.
 - Main campus only, not continuing education sections.
 - The list of sections is restricted to sponsor sections; a section with students enrolled under two course numbers (cross-listed) is counted only once.
- Average size (number of enrollments) of the organized course sections
- Number of enrollments in independent study, dissertation, etc.
- Student credit hours (SCH) for organized sections, for independent work, and total, again adjusted for the person's listed percentage responsibility.

The source of all teaching activity data is the Student Information System. Summer teaching was not included.

Calculate for each person the "**Percentage Time Available**" over the two terms, based on PeopleSoft HR both fall and spring. The "pct time available" can be considered a "teacher equivalent" or "**teaching FTE**" or **TFTE** for the person in the academic year. TFTE is never greater than 1.0.

- The Pct Time Available or TFTE is 1.0 (100%) if the individual is appointed full-time, both terms, with 100% of pay coming from the general fund, with no attributes making them unavailable for teaching.
 - This is the case for 56% of instructors and senior instructors and 60% of the TTT. All were here two terms, not on leave, 100% time both terms, 100% general fund both terms. (Shown in table 3, referenced below.)
- For another 29% of instructors and 10% of TTT, the Pct Time Available or TFTE is less than 1.0 because and only because they were appointed less than 100% time or paid less than 100% from the general fund or both.
- For the remaining 15% of instructors and 30% of TTT, Pct Time Available or TFTE is less than 1.0 due to a PeopleSoft HR attribute which reasonably makes them unavailable for full-load two-term teaching. (These individuals may also have appointments less than 100% and/or general fund less than 100%.) The attributes include being "tenured budgeted elsewhere," having an active appointment only one term, on paid or unpaid leave one or more terms, and being a chair or faculty director. A few of these attributes (like leave) indicate zero Pct Time Available; others simply reduce it. E.g., being chair multiplies the otherwise available pct time by .75.
- The attributes and multipliers used to calculate TFTE for each individual are shown below.
 - Set Pct Time Available or TFTE to zero (for a term) if
 - On leave or not appointed (about 11% of TTT, 4% of instructor/sr)
 - Retired (one instructor)

- Multiply by .25 if
 - Tenured budgeted elsewhere (TBE; 7% of TTT)
 - Appointment is in a different unit than the tenure dept (five TTT)
- Set to .50 if individual is
 - Howard Hughes Medical Institute investigator (four TTT)
- Multiply by .75 if individual holds appointment as chair or faculty director (9% of TTT, 4% of instructor/sr)
- Set to .33 if the individual would calculate as zero TFTE but the individual did teach in fall or spring.
 - 33 of the 53 TTT individuals with initially calculated zero TFTE in 2009-10 actually did teach in 2009-10, with one-third teaching organized course sections, the remainder independent work only.
 - 9 of the 15 instructor/sr with initially calculated zero TFTE taught (all organized sections).
- We have made no attempt to incorporate in the calculation of TFTE other factors reasonably related to teaching expectation but not recorded on PeopleSoft HR. These include (but are not limited to) medical leave, phased retirement, startup semesters, faculty fellowships, course banking, and differential teaching loads. Most of these would reduce the Pct Time Available or TFTE; some might increase it in some cases.
- The factors not incorporated and the imprecision of the TFTE calculation mean an inexact but still useful match to actual availability for teaching.
 - Only 3 TTT and 7 instructor/sr with TFTE of 1.0 (100%) did not teach any organized or independent sections at all – of 673 and 179 total, respectively.
 - 412 of 434 TTT, and 124 of 131 instructor/sr, with TFTE less than 1.0 and greater than zero did teach – 95% and 91%, respectively.
 - As noted above, over half the individuals with initially calculated zero TFTE did teach.
 - For a single individual, TFTE may not correspond to reality precisely. For groups of individuals, however, it's probably a reasonable approximation of actual Teaching FTE.
- Nothing here is intended to imply that individuals with a full TFTE, either TTT or instructors/senior instructors, are expected to spend 100% of their work time in teaching-related activities. Research and service are contractually specified additional obligations. For TTT, the full TFTE would usually represent 40% of work time/effort.

With the two groups of individuals, the TFTE or percent time available for each, and the teaching activity, we can calculate each of the measures of teaching activity per TFTE – per one unit of teacher availability.

With the faculty identified, indicators of teaching, and calculation of teaching FTE, we can express the teaching activity “per TFTE” – per full-time teaching equivalent – for each group, then by school and college. On the next page is a list of **tables with brief highlights of results** from each. Highlights are in italics. Some tables take multiple pages. The tables follow the text.

Related work, on teaching of TTT only, in 2004-05, is posted at

- Summary: <http://www.colorado.edu/pba/facstaff/summary.pdf>

PBA reference: L:\IR\facstaff\FacLoad\10-11\UCBLoads.docx, Load*.sas

Tables and highlights (see tables following the text)

- Table 0: Reduced time and general fund by group
 - *82% of TTT and 61% of instructors/sr were appointed at 100% time with 100% paid from the general fund. Equivalent proportions of both groups were paid 100% from the general fund (81%-85%), but a higher proportion of TTT than instructor/sr was appointed at 100% time (96% vs 76%).*
- Table 1: Distribution of TFTE by group
 - *TFTE has a mean of .81, median 1.0, for both TTT and instructor/sr. That is, for every 100 individuals, there are 81 TFTE or teaching FTE.*
- Table 2: Detail of TFTE and PeopleSoft HR attributes which reasonably make some unavailable for full-load two-term teaching, by group.
 - *4% of TTT have appointments less than 100%, vs. 24% of instructor/sr*
 - *15-20% of both groups are paid in part from outside the general fund*
- Table 3: Distribution of TFTE and relationship to teaching status, by group
 - **96% of TTT and 92% of instructors/sr taught at least one section**
 - *11% of TTT were on leave for one or two terms or were appointed for only one term*
 - *Overall, 56% of instructors and senior instructors and 60% of the TTT were here two terms, not on leave, 100% time both terms, 100% general fund both terms.*
- Table 4: Distribution of TFTE and relationship to teaching status, by group – by college
- Table 5: The faculty, teaching activity totals, and teaching activity per teaching FTE, by group
 - ***In 2009-10, 910 teaching full-time equivalent TTT faculty, from 1,127 TTT headcount, taught an average of 3.2 organized course sections and supervised an average of 6.6 students doing independent study, theses, or dissertations, thereby generating an average of 395 student credit hours (SCH) per TFTE. The organized course sections taught by TTT averaged 42 students.***
 - *260 teaching full-time equivalent instructors and senior instructors, from 322 headcount, taught an average of 6.2 organized course sections and supervised an average of 1.3 students in independent work, thereby generating an average of 672 SCH per TFTE. The organized course sections taught by instructors/sr averaged 40 students.*
- Table 6: The faculty, teaching activity totals, and teaching activity per teaching FTE, by group – by college and A&S division
 - **For TTT**
 - ***The average TFTE per person ranges from .76 in A&S Natural Science to .90 in Music. The number of TTT ranges from 22 in Journalism to 353 in A&S-NS***
 - ***Organized course sections per TFTE range from an average of 2.48 in Engineering to an average of 4.66 in Music***
 - ***Independent enrollments per TFTE range from an average of 1.3 in Business and Music to an average of 13.4 in Law, for work on law review and other journals.***
 - ***Total SCH per TFTE range from an average of 149 in Music to an average of 670 in A&S Social Sciences.***
- Table 7: Summary, organized course sections per TFTE by college and group
 - ***Overall and in most colleges, instructors/sr teach about twice as many organized course sections per TFTE as TTT. In Law and Music, they teach fewer than do TTT.***
- Table 8: The faculty, teaching activity totals, and teaching activity per teaching FTE, by group – by college and A&S division – for individuals with 100% TFTE: full-time both terms, 100% general fund, no availability attributes
 - *The per-TFTE organized course sections, independent enrollments, and SCH for the full-TFTE group of TTT are slightly lower than those for all TTT (shown in Table 6).*
- Table 9 – Comparison of actual (from table 7) and standard
 - Overall, instructors/senior instructors taught slightly more than the number of “standard” sections per TFTE (6.0 standard, 6.2 actual), TTT very slightly fewer (3.3 standard, 3.2 actual).

Table 0: Reduced time and general fund by group

The FREQ Procedure

Table 1 of ReducedTime by ReducedGenFund
 Controlling for Group=Instructor/sr

ReducedTime(Appointment -- Time)
 ReducedGenFund(Appointment funds -- General fund portion)

Frequency Percent Row Pct Col Pct	100%	<100%	Total
100%	198 61.49	47 14.60	245 76.09
	80.82	19.18	
	75.86	77.05	
<100%	63 19.57	14 4.35	77 23.91
	81.82	18.18	
	24.14	22.95	
Total	261 81.06	61 18.94	322 100.00

Table 2 of ReducedTime by ReducedGenFund
 Controlling for Group=TTT w top prof-assoc-asst

ReducedTime(Appointment -- Time)
 ReducedGenFund(Appointment funds -- General fund portion)

Frequency Percent Row Pct Col Pct	100%	<100%	Total
100%	924 81.99	155 13.75	1079 95.74
	85.63	14.37	
	96.05	93.94	
<100%	38 3.37	10 0.89	48 4.26
	79.17	20.83	
	3.95	6.06	
Total	962 85.36	165 14.64	1127 100.00

The Pct Time Available or TFTE is 1.0 (100%) if the individual is appointed full-time, both terms, with 100% of pay coming from the general fund, with no attributes making them unavailable for teaching.

- This is the case for 56% of instructors and senior instructors and 60% of the TTT. All were here two terms, not on leave, 100% time both terms, 100% general fund both terms. **See Table 3.**

Table 0: Reduced time and general fund by group

82% of TTT and 61% of instructors/sr were appointed at 100% time with 100% paid from the general fund.

Equivalent proportions of both groups were paid 100% from the general fund (81%-85%), but a higher proportion of TTT than instructor/sr was appointed at 100% time (96% vs 76%).

Table 1

	N	Appointment	Appointment	Teaching FTE (Pct time available)				
		is < 100% time	is < 100% general fund	Min	Median	Mean	Max	Sum
All	1,449	9%	16%	0.00	1.00	0.81	1.00	1,171
Faculty group								
Instructor/sr	322	24%	19%	0.00	1.00	0.81	1.00	260
TTT w top prof-assoc-asst	1,127	4%	15%	0.00	1.00	0.81	1.00	910

Table 1: Distribution of TFTE by group

- TFTE has a mean of .81, median 1.0, for both TTT and instructor/sr. That is, for every 100 individuals, there are 81 TFTE or teaching FTE.

Faculty group Instructor/sr

Table 2

	N	Appointment	Appointment	Teaching FTE (Pct time available)				
		is < 100% time	is < 100% general fund	Min	Median	Mean	Max	Sum
All	322	24%	19%	0.00	1.00	0.81	1.00	260
Reason for reduced, may be 1 term only								
%time prob wrong, instructor, avail x .5	15	100%	27%	0.00	0.25	0.30	0.50	4
Chair, faculty director, avail x .75	13	0%	23%	0.31	0.75	0.68	0.88	9
Here only 1 term	2	0%	0%	0.50	0.50	0.50	0.50	1
On leave pd or not, 0 avail in term	9	33%	11%	0.00	0.38	0.38	0.50	3
Retired, 0 avail	1	100%	100%	0.00	0.00	0.00	0.00	0
Was zero, but taught, set .33	9	11%	78%	0.33	0.33	0.33	0.33	3
XX no reason, PctTimeAvail = %time x %genFund	273	21%	16%	0.00	1.00	0.88	1.00	240

Faculty group TTT w top prof-assoc-asst

Table 2

	N	Appointment	Appointment	Teaching FTE (Pct time available)				
		is < 100% time	is < 100% general fund	Min	Median	Mean	Max	Sum
All	1,127	4%	15%	0.00	1.00	0.81	1.00	910
Reason for reduced, may be 1 term only								
Chair, faculty director, avail x .75	100	2%	25%	0.15	0.75	0.72	0.88	72
HHMI faculty, .5 avail	4	0%	100%	0.50	0.50	0.50	0.50	2
Here only 1 term	15	0%	0%	0.50	0.50	0.50	0.50	8
On leave pd or not, 0 avail in term	109	11%	13%	0.00	0.50	0.41	0.50	44
TBE Tenured Budget Elsewhere, avail x .25	75	4%	12%	0.13	0.25	0.24	0.63	18
TTT, top appt ne tenure dept, avail x .25	5	20%	20%	0.06	0.24	0.18	0.25	1
Was zero, but taught, set .33	33	27%	33%	0.33	0.33	0.33	0.33	11
XX no reason, PctTimeAvail = %time x %genFund	786	3%	13%	0.00	1.00	0.96	1.00	754

Table 2: Detail of TFTE and PeopleSoft HR attributes which reasonably make some unavailable for full-load two-term teaching, by group.

- 4% of TTT have appointments less than 100%, vs. 24% of instructor/sr
- 15-20% of both groups are paid in part from outside the general fund

Table 3

	N			Column %		
	Faculty group			Faculty group		
	All	Instruct- or/sr	TTT w top prof- assoc- asst	All	Instruct- or/sr	TTT w top prof- assoc- asst
All	1,449	322	1,127	100	100	100
--Teaching status:						
No sections	71	26	45	5	8	4
Taught	1,378	296	1,082	95	92	96
--Availability status:						
PctTimeAvail = 0	26	6	20	2	2	2
PctTimeAvail = 1	852	179	673	59	56	60
PctTimeAvail > 0, < 1	571	137	434	39	43	39
--Teaching status:						
No sections						
--Availability status:						
PctTimeAvail = 0	26	6	20	2	2	2
PctTimeAvail = 1	10	7	3	1	2	0
PctTimeAvail > 0, < 1	35	13	22	2	4	2
Taught	842	172	670	58	53	59
--Availability status:						
PctTimeAvail > 0, < 1	536	124	412	37	39	37
Reason for reduced, may be 1 term only						
%time prob wrong, instructor, avail x .5	15	15	.	1	5	.
Chair, faculty director, avail x .75	113	13	100	8	4	9
HHMI faculty, .5 avail	4	.	4	0	.	0
Here only 1 term	17	2	15	1	1	1
On leave pd or not, 0 avail in term	118	9	109	8	3	10
Retired, 0 avail	1	1	.	0	0	.
TBE Tenured Budget Elsewhere, avail x .25	75	.	75	5	.	7
TTT, top appt ne tenure dept, avail x .25	5	.	5	0	.	0
Was zero, but taught, set .33	42	9	33	3	3	3
XX no reason, PctTimeAvail = %time x %genFund	1,059	273	786	73	85	70

Table 3: Distribution of TFTE and relationship to teaching status, by group

- **96% of TTT and 92% of instructors/sr taught at least one section**
- **11% of TTT were on leave for one or two terms or were appointed for only one term**
- **Overall, 56% of instructors and senior instructors and 60% of the TTT were here two terms, not on leave, 100% time both terms, 100% general fund both terms.**

Faculty group Instructor/sr

Table 4

	College of individual's appt or tenure									
	All	Cross	AS	BU	EB	EN	JR	LW	MB	
	N	N	N	N	N	N	N	N	N	N
All	322	10	213	29	14	24	3	13	16	
--Teaching status:										
No sections	26	1	4	3	5	2	.	6	5	
Taught	296	9	209	26	9	22	3	7	11	
--Availability status:										
PctTimeAvail = 0	6	.	1	1	3	.	.	.	1	
PctTimeAvail = 1	179	2	130	17	1	10	1	11	7	
PctTimeAvail > 0, < 1	137	8	82	11	10	14	2	2	8	
--Teaching status:										
No sections										
PctTimeAvail = 0	6	.	1	1	3	.	.	.	1	
PctTimeAvail = 1	7	.	1	.	.	.	.	6	.	
PctTimeAvail > 0, < 1	13	1	2	2	2	2	.	.	4	
Taught										
PctTimeAvail = 1	172	2	129	17	1	10	1	5	7	
PctTimeAvail > 0, < 1	124	7	80	9	8	12	2	2	4	
Reason for reduced, may be 1 term only										
%time prob wrong, instructor, avail x .5	15	3	2	1	4	1	.	.	4	
Chair, faculty director, avail x .75	13	2	5	3	.	1	.	2	.	
Here only 1 term	2	.	.	2	.	.	.	.	.
On leave pd or not, 0 avail in term	9	.	8	.	.	1	.	.	.	
Retired, 0 avail	1	.	.	1	.	.	.	.	.
Was zero, but taught, set .33	9	.	2	.	3	4	.	.	.	
XX no reason, PctTimeAvail = %time x %genFund	273	5	196	22	7	17	3	11	12	

Table 4: Distribution of TFTE and relationship to teaching status, by group - by college

Faculty group TTT w top prof-assoc-asst

Table 4

	College of individual's appt or tenure							
	All	AS	BU	EB	EN	JR	LW	MB
	N	N	N	N	N	N	N	N
All	1,127	739	54	32	187	22	38	55
--Teaching status:								
No sections	45	30	7	1	4	.	3	.
Taught	1,082	709	47	31	183	22	35	55
--Availability status:								
PctTimeAvail = 0	20	12	4	1	1	.	2	.
PctTimeAvail = 1	673	440	35	17	113	9	19	40
PctTimeAvail > 0, < 1	434	287	15	14	73	13	17	15
--Teaching status:								
No sections								
PctTimeAvail = 0	20	12	4	1	1	.	2	.
PctTimeAvail = 1	3	.	.	.	2	.	1	.
PctTimeAvail > 0, < 1	22	18	3	.	1	.	.	.
Taught								
PctTimeAvail = 1	670	440	35	17	111	9	18	40
PctTimeAvail > 0, < 1	412	269	12	14	72	13	17	15
Reason for reduced, may be 1 term only								
Chair, faculty director, avail x .75	100	61	6	.	24	.	5	4
HHMI faculty, .5 avail	4	3	.	.	1	.	.	.
Here only 1 term	15	7	.	.	8	.	.	.
On leave pd or not, 0 avail in term	109	79	4	3	5	4	6	8
TBE Tenured Budget Elsewhere, avail x .25	75	70	1	.	4	.	.	.
TTT, top appt ne tenure dept, avail x .25	5	5	.	.	.	.	.	.
Was zero, but taught, set .33	33	20	1	.	10	1	1	.
XX no reason, PctTimeAvail = %time x %genFund	786	494	42	29	135	17	26	43

Table 5

Faculty group

	All	Instructor/sr	TTT w top prof assoc-asst

THE FACULTY			
N of people	1,449	322	1,127
Teaching FTE (Pct time available)			
Total over people	1,171	260	910
Median	1.00	1.00	1.00
Mean	0.81	0.81	0.81

TEACHING ACTIVITY -- TOTALS			
N org'd sections taught			
Sum	4,229	1,532	2,698
Enrollments in org'd sections taught			
Sum	168,411	59,112	109,299
Avg size of org'd sections			
Mean	42	40	42
Enrollments in independ sections taught			
Sum	5,076	276	4,800
SCH in org'd sections taught			
Sum	472,843	176,535	296,308
SCH in independ sections taught			
Sum	19,702	680	19,022
SCH total (org'd & independ)			
Sum	492,545	177,216	315,329

TEACHING ACTIVITY PER TEACHING FTE			
Org'd sections per TFTE			
Median	3.00	6.00	3.00
Mean	3.85	6.23	3.17
Independent enrollments per TFTE			
Median	2.00	0.00	3.32
Mean	5.42	1.27	6.60
SCH in org'd sections per TFTE			
Median	270	401	225
Mean	435	668	369
SCH in independ per TFTE			
Median	6	0	13
Mean	21	3	26
SCH total SCH per TFTE			
Median	287	403	245
Mean	456	672	395

Table 5: The faculty, teaching activity totals, and teaching activity per teaching FTE, by group

• In 2009-10, 910 teaching full-time equivalent TTT faculty, from 1,127 TTT headcount, taught an average of 3.2 organized course sections and supervised an average of 6.6 students doing independent study, theses, or dissertations, thereby generating an average of 395 student credit hours (SCH) per TFTE. The organized course sections taught by TTT averaged 42 students.

• 260 teaching full-time equivalent instructors and senior instructors, from 322 headcount, taught an average of 6.2 organized course sections and supervised an average of 1.3 students in independent work, thereby generating an average of 672 SCH per TFTE. The organized course sections taught by instructors/sr averaged 40 students.

TTT and instructor/sr combined

See following pages for TTT and instr/sr separately.

Table 6

	College/division of individual's appt or tenure										
	All	Cross	AS-AH	AS-NS	AS-SS	BU	EB	EN	JR	LW	MB
- - - - -											
THE FACULTY											
N of people	1,449	10	363	401	188	83	46	211	25	51	71
Teaching FTE (Pct time available)											
Total over people	1,171	6	307	313	148	68	32	174	21	42	60
Median	1.00	0.69	1.00	1.00	1.00	1.00	0.84	1.00	0.95	1.00	1.00
Mean	0.81	0.62	0.85	0.78	0.79	0.82	0.70	0.82	0.84	0.82	0.84
- - - - -											
TEACHING ACTIVITY -- TOTALS											
N org'd sections taught											
Sum	4,229	27	1,420	888	593	266	98	466	92	115	265
Enrollments in org'd sections taught											
Sum	168,411	672	37,986	56,237	27,493	13,840	2,317	19,823	2,587	3,617	3,839
Avg size of org'd sections											
Mean	42	26	28	59	50	52	22	41	29	32	14
Enrollments in independ sections taught											
Sum	5,076	1	782	1,733	653	104	164	1,190	83	299	67
SCH in org'd sections taught											
Sum	472,843	1,896	114,895	147,191	82,392	42,000	7,259	51,187	7,640	10,692	7,691
SCH in independ sections taught											
Sum	19,702	3	2,882	7,135	3,133	385	605	4,695	314	400	150
SCH total (org'd & independ)											
Sum	492,545	1,899	117,777	154,326	85,525	42,385	7,864	55,882	7,954	11,092	7,841
- - - - -											
TEACHING ACTIVITY PER TEACHING FTE											
Org'd sections per TFTE											
Median	3.00	4.50	4.00	2.00	4.00	3.00	2.86	2.21	3.50	3.00	4.00
Mean	3.85	4.84	4.73	3.31	4.44	3.95	3.72	2.77	4.17	3.03	4.44
Independent enrollments per TFTE											
Median	2.00	0.00	1.00	4.00	2.67	0.00	2.00	5.00	4.71	0.00	0.00
Mean	5.42	0.31	2.76	7.31	5.78	1.95	4.73	8.25	4.21	9.90	1.10
SCH in org'd sections per TFTE											
Median	270	227	318	215	348	372	168	243	218	285	103
Mean	435	383	383	520	653	625	213	296	361	275	130
SCH in independ per TFTE											
Median	6	0	3	16	10	0	5	19	13	0	0
Mean	21	1	10	30	27	7	18	33	16	13	3
SCH total SCH per TFTE											
Median	287	227	331	243	386	386	209	277	237	287	108
Mean	456	384	394	550	680	631	231	328	377	288	133

Faculty group **Instructor/sr**

Table 6

	College/division of individual's appt or tenure										
	All	Cross	AS-AH	AS-NS	AS-SS	BU	EB	EN	JR	LW	MB

THE FACULTY											
N of people	322	10	129	48	36	29	14	24	3	13	16
Teaching FTE (Pct time available)											
Total over people	260	6	110	44	28	23	6	18	3	13	10
Median	1.00	0.69	1.00	1.00	0.80	1.00	0.33	0.88	0.94	1.00	0.50
Mean	0.81	0.62	0.85	0.92	0.79	0.79	0.40	0.74	0.96	0.96	0.63

TEACHING ACTIVITY -- TOTALS											
N org'd sections taught											
Sum	1,532	27	700	276	199	146	28	74	22	19	42
Enrollments in org'd sections taught											
Sum	59,112	672	15,298	20,522	6,852	9,272	627	4,072	841	447	509
Avg size of org'd sections											
Mean	40	26	22	86	35	64	18	59	37	24	10
Enrollments in independ sections taught											
Sum	276	1	80	29	51	50	4	42	10	1	8
SCH in org'd sections taught											
Sum	176,535	1,896	47,282	62,931	19,964	28,175	2,521	9,623	2,402	890	853
SCH in independ sections taught											
Sum	680	3	206	63	115	133	26	95	25	1	13
SCH total (org'd & independ)											
Sum	177,216	1,899	47,488	62,994	20,079	28,308	2,547	9,718	2,427	891	866

TEACHING ACTIVITY PER TEACHING FTE											
Org'd sections per TFTE											
Median	6.00	4.50	6.00	4.75	6.24	6.23	6.29	4.00	8.47	1.00	3.50
Mean	6.23	4.84	6.54	7.40	7.17	6.27	6.74	5.05	7.66	1.62	3.63
Independent enrollments per TFTE											
Median	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00
Mean	1.27	0.31	0.79	0.67	1.63	3.07	0.36	4.02	3.44	0.10	0.53
SCH in org'd sections per TFTE											
Median	401	227	383	923	621	1,137	235	388	564	38	29
Mean	668	383	441	1,492	715	1,142	324	560	837	76	73
SCH in independ per TFTE											
Median	0	0	0	0	0	0	0	0	12	0	0
Mean	3	1	2	1	4	7	2	8	9	0	1
SCH total SCH per TFTE											
Median	403	227	383	924	621	1,145	235	438	576	38	30
Mean	672	384	443	1,494	719	1,150	326	568	846	76	74

Faculty group TTT w top prof-assoc-asst

Table 6

	College/division of individual's appt or tenure									
	All	AS-AH	AS-NS	AS-SS	BU	EB	EN	JR	LW	MB

THE FACULTY										
N of people	1,127	234	353	152	54	32	187	22	38	55
Teaching FTE (Pct time available)										
Total over people	910	197	269	120	45	27	156	18	29	50
Median	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.97	1.00
Mean	0.81	0.84	0.76	0.79	0.84	0.84	0.83	0.83	0.78	0.90

TEACHING ACTIVITY -- TOTALS										
N org'd sections taught										
Sum	2,698	721	611	394	120	71	392	70	97	223
Enrollments in org'd sections taught										
Sum	109,299	22,688	35,715	20,641	4,568	1,690	15,751	1,746	3,170	3,330
Avg size of org'd sections										
Mean	42	32	54	54	45	23	39	28	33	15
Enrollments in independ sections taught										
Sum	4,800	702	1,704	602	54	160	1,148	73	298	59
SCH in org'd sections taught										
Sum	296,308	67,613	84,260	62,428	13,825	4,738	41,565	5,238	9,803	6,838
SCH in independ sections taught										
Sum	19,022	2,676	7,072	3,018	252	579	4,600	289	399	137
SCH total (org'd & independ)										
Sum	315,329	70,289	91,332	65,446	14,077	5,317	46,165	5,527	10,202	6,975

TEACHING ACTIVITY PER TEACHING FTE										
Org'd sections per TFTE										
Median	3.00	4.00	2.00	3.00	3.00	2.50	2.05	3.25	3.00	4.00
Mean	3.17	3.71	2.74	3.79	2.66	2.64	2.48	3.69	3.54	4.66
Independent enrollments per TFTE										
Median	3.32	2.00	5.00	4.00	0.00	4.62	5.99	4.35	0.00	0.00
Mean	6.60	3.86	8.23	6.77	1.32	6.28	8.80	4.31	13.43	1.26
SCH in org'd sections per TFTE										
Median	225	244	187	333	278	145	216	185	348	112
Mean	369	351	386	638	335	173	261	296	347	146
SCH in independ per TFTE										
Median	13	8	21	17	0	16	21	13	0	0
Mean	26	15	34	33	6	23	36	17	18	3
SCH total SCH per TFTE										
Median	245	252	214	364	278	193	262	194	361	118
Mean	395	366	420	670	341	197	297	313	365	149

Table 6: The faculty, teaching activity totals, and teaching activity per teaching FTE, by group - by college and A&S division

For TTT

- The average TFTE per person ranges from .76 in A&S Natural Science to .90 in Music. The number of TTT ranges from 22 in Journalism to 353 in A&S-NS
- Organized course sections per TFTE range from an average of 2.48 in Engineering to an average of 4.66 in Music
- Independent enrollments per TFTE range from an average of 1.3 in Business and Music to an average of 13.4 in Law.
- Total SCH per TFTE range from an average of 149 in Music to an average of 670 in A&S Social Sciences.

Table 7

	Faculty group					
	Instructor/sr			TTT w top prof-assoc-asst		
	Org'd sections per TFTE			Org'd sections per TFTE		
N	Mean	Median	N	Mean	Median	
All	322	6.2	6.0	1,127	3.2	3.0
Cross	10	4.8	4.5	.	.	.
A&S	213	6.8	6.0	739	3.3	3.0
Business	29	6.3	6.2	54	2.7	3.0
Education	14	6.7	6.3	32	2.6	2.5
Engineering	24	5.1	4.0	187	2.5	2.0
Journalism	3	7.7	8.5	22	3.7	3.3
Law	13	1.6	1.0	38	3.5	3.0
Music	16	3.6	3.5	55	4.7	4.0

Table 7: Summary, organized course sections per TFTE by college and group

- Overall and in most colleges, instructors/sr teach about twice as many organized course sections per TFTE as TTT. In Law and Music, they teach fewer than do TTT.

***** For individuals with full TFTE, Pct Time Available = 100%, only

TTT and instructor/sr combined

Table 8 See following pages for TTT and instr/sr separately.

College/division of individual's appt or tenure

	All	Cross	AS-AH	AS-NS	AS-SS	BU	EB	EN	JR	LW	MB

THE FACULTY	.	.	.	.	.	.	.	.	.	.	.
N of people	852	2	235	232	103	52	18	123	10	30	47
Teaching FTE (Pct time available)											
Total over people	852	2	235	232	103	52	18	123	10	30	47
Median	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

TEACHING ACTIVITY -- TOTALS	.	.	.	.	.	.	.	.	.	.	.
N org'd sections taught											
Sum	2,930	9	1,066	617	371	211	50	312	36	65	194
Enrollments in org'd sections taught											
Sum	118,229	139	28,346	41,280	17,493	11,055	1,271	12,799	1,085	2,083	2,678
Avg size of org'd sections											
Mean	42	15	28	64	49	49	25	39	30	32	13
Enrollments in independ sections taught											
Sum	2,743	0	518	963	359	57	75	675	33	6	57
SCH in org'd sections taught											
Sum	328,203	417	86,868	98,855	53,287	33,815	4,932	35,056	3,228	6,200	5,547
SCH in independ sections taught											
Sum	10,953	0	1,906	3,997	1,674	235	260	2,611	141	6	123
SCH total (org'd & independ)											
Sum	339,156	417	88,774	102,852	54,961	34,050	5,192	37,667	3,369	6,206	5,670

TEACHING ACTIVITY PER TEACHING FTE	.	.	.	.	.	.	.	.	.	.	.
Org'd sections per TFTE											
Median	3.00	4.50	4.00	2.00	3.50	3.00	2.25	2.25	3.25	3.00	4.00
Mean	3.44	4.50	4.53	2.66	3.60	4.06	2.78	2.54	3.60	2.15	4.13
Independent enrollments per TFTE											
Median	2.00	0.00	1.00	3.00	2.00	0.00	3.50	4.00	3.50	0.00	0.00
Mean	3.22	0.00	2.20	4.15	3.49	1.10	4.17	5.49	3.30	0.20	1.21
SCH in org'd sections per TFTE											
Median	273	209	321	239	345	368	162	258	166	236	98
Mean	385	209	370	426	517	650	274	285	323	207	118
SCH in independ per TFTE											
Median	6	0	3	12	6	0	13	15	12	0	0
Mean	13	0	8	17	16	5	14	21	14	0	3
SCH total SCH per TFTE											
Median	287	209	336	271	384	378	179	275	189	236	98
Mean	398	209	378	443	534	655	288	306	337	207	121

***** For individuals with full TFTE, Pct Time Available = 100%, only

Faculty group **Instructor/sr**

Table 8

College/division of individual's appt or tenure

	All	Cross	AS-AH	AS-NS	AS-SS	BU	EB	EN	JR	LW	MB

THE FACULTY	.	.	.	.	.	.	.	.	.	.	.
N of people	179	2	81	35	14	17	1	10	1	11	7
Teaching FTE (Pct time available)											
Total over people	179	2	81	35	14	17	1	10	1	11	7
Median	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

TEACHING ACTIVITY -- TOTALS	.	.	.	.	.	.	.	.	.	.	.
N org'd sections taught											
Sum	987	9	494	195	89	114	7	34	6	11	29
Enrollments in org'd sections taught											
Sum	38,556	139	10,282	13,877	3,299	7,647	180	2,308	188	286	350
Avg size of org'd sections											
Mean	43	15	21	86	36	70	26	71	31	25	9
Enrollments in independ sections taught											
Sum	157	0	51	22	45	16	4	6	5	0	8
SCH in org'd sections taught											
Sum	114,256	417	32,684	38,255	10,067	23,371	1,707	5,977	564	609	606
SCH in independ sections taught											
Sum	353	0	100	42	97	45	26	18	12	0	13
SCH total (org'd & independ)											
Sum	114,610	417	32,784	38,298	10,164	23,416	1,733	5,995	576	609	619

TEACHING ACTIVITY PER TEACHING FTE	.	.	.	.	.	.	.	.	.	.	.
Org'd sections per TFTE											
Median	6.00	4.50	6.00	4.00	6.00	7.00	6.50	3.75	6.00	0.00	3.50
Mean	5.52	4.50	6.10	5.57	6.36	6.71	6.50	3.43	6.00	1.00	4.07
Independent enrollments per TFTE											
Median	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	5.00	0.00	0.00
Mean	0.88	0.00	0.63	0.63	3.21	0.94	4.00	0.60	5.00	0.00	1.14
SCH in org'd sections per TFTE											
Median	393	209	361	837	497	1,269	1,707	398	564	0	29
Mean	638	209	404	1,093	719	1,375	1,707	598	564	55	87
SCH in independ per TFTE											
Median	0	0	0	0	0	0	26	0	12	0	0
Mean	2	0	1	1	7	3	26	2	12	0	2
SCH total SCH per TFTE											
Median	393	209	361	837	497	1,269	1,733	398	576	0	30
Mean	640	209	405	1,094	726	1,377	1,733	600	576	55	88

* * * * * For individuals with full TFTE, Pct Time Available = 100%, only

Faculty group TTT w top prof-assoc-asst

Table 8	College/division of individual's appt or tenure									
	All	AS-AH	AS-NS	AS-SS	BU	EB	EN	JR	LW	MB

THE FACULTY	.	.	.	.	.	.	.	.	.	.
N of people	673	154	197	89	35	17	113	9	19	40
Teaching FTE (Pct time available)										
Total over people	673	154	197	89	35	17	113	9	19	40
Median	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

TEACHING ACTIVITY -- TOTALS	.	.	.	.	.	.	.	.	.	.
N org'd sections taught										
Sum	1,942	571	422	282	97	44	278	30	54	166
Enrollments in org'd sections taught										
Sum	79,673	18,064	27,403	14,194	3,408	1,091	10,491	897	1,797	2,328
Avg size of org'd sections										
Mean	42	32	60	51	39	25	36	30	33	14
Enrollments in independ sections taught										
Sum	2,586	467	941	314	41	71	669	28	6	49
SCH in org'd sections taught										
Sum	213,947	54,185	60,600	43,220	10,444	3,225	29,079	2,664	5,591	4,941
SCH in independ sections taught										
Sum	10,600	1,806	3,955	1,577	190	234	2,593	129	6	110
SCH total (org'd & independ)										
Sum	224,547	55,991	64,554	44,797	10,634	3,459	31,672	2,793	5,597	5,051

TEACHING ACTIVITY PER TEACHING FTE	.	.	.	.	.	.	.	.	.	.
Org'd sections per TFTE										
Median	3.00	4.00	2.00	3.00	3.00	2.00	2.00	3.00	3.00	4.00
Mean	2.89	3.71	2.14	3.17	2.77	2.56	2.46	3.33	2.82	4.14
Independent enrollments per TFTE										
Median	2.00	2.00	4.00	2.00	0.00	3.00	5.00	3.00	0.00	0.00
Mean	3.84	3.03	4.78	3.53	1.17	4.18	5.92	3.11	0.32	1.23
SCH in org'd sections per TFTE										
Median	240	257	210	345	285	126	246	161	309	99
Mean	318	352	308	486	298	190	257	296	294	124
SCH in independ per TFTE										
Median	9	6	15	9	0	10	16	12	0	0
Mean	16	12	20	18	5	14	23	14	0	3
SCH total SCH per TFTE										
Median	253	265	227	384	285	147	264	184	309	100
Mean	334	364	328	503	304	203	280	310	295	126

Table 8: The faculty, teaching activity totals, and teaching activity per teaching FTE, by group - by college and A&S division -- for individuals with 100% TFTE: full-time both terms, 100% general fund, no availability attributes

- The per-TFTE organized course sections, independent enrollments, and SCH for the full-TFTE group of TTT are slightly lower than those for all TTT (shown in Table 6).

Table 9.**CU-Boulder, 09-10, teaching activity, TTT & sr/instructors. 11/17/2010**

Libraries, continuing education, and TTT with top appt admin (dean, chancellor, others) excluded.

Teaching activity in primary organized course sections

All figures reflect SIS-recorded share of responsibility (.5 in section w 2 instructors, etc.)

CU-Boulder schools and colleges	N organized sections per full-time teaching equivalent (TFTE) -- Actuals						Standard loads		Actual minus standard (using means)		Ratio, instr/sr : TTT		
	Instructors/sr instructors			Tenured/tenure-track with top appt professor- assoc-asst-distinguished			Instr/sr (min. standard)	TTT	Instr/sr	TTT	Actual means	Actual medians	Standard
	N people	Mean	Median	N people	Mean	Median							
All	322	6.2	6.0	1,127	3.2	3.0	6.0	3.3	0.2	-0.1	1.9	2.0	1.8
Cross	10	4.8	4.5										
A&S	213	6.8	6.0	739	3.3	3.0	6.0	3.2	0.8	0.1	2.1	2.0	1.9
Business	29	6.3	6.2	54	2.7	3.0	6.0	4.0	0.3	-1.3	2.3	2.1	1.5
Education	14	6.7	6.3	32	2.6	2.5	6.0	4.0	0.7	-1.4	2.6	2.5	1.5
Engineering	24	5.1	4.0	187	2.5	2.0	6.0	3.0	-0.9	-0.5	2.0	2.0	2.0
Journalism	3	7.7	8.5	22	3.7	3.3	6.0	4.0	1.7	-0.3	2.1	2.6	1.5
Law	13	1.6	1.0	38	3.5	3.0	6.0	4.0	-4.4	-0.5	0.5	0.3	1.5
Music	16	3.6	3.5	55	4.7	4.0	6.0	4.0	-2.4	0.7	0.8	0.9	1.5

Overall, instructors/senior instructors taught slightly more than the number of “standard” sections per TFTE (6.0 standard, 6.2 actual), TTT very slightly fewer (3.3 standard, 3.2 actual).

* Journalism set to 6.0; actuals based on only 3 people.

Source: Table 7, Teaching Activity of CU-Boulder Faculty in 2009-10, PBA

CU-Boulder, 09-10, teaching activity, TTT & sr/instructors. PBA:L:\ir\facstaff\facload\10-11\LoadShow. 11/17/2010 10

[\\cvcn\pba\ia\IR\facstaff\FacLoad\10-11\UCBLoads.xlsx](#)

PBA Nov 2010