

Student/Faculty Ratios (SFRs) Explained

FTES: Full-Time Equivalent Students (FTES) are calculated on the basis of 12 Student Credit Units (SCUs) for master's seeking students, and 15 SCUs for all others. When calculated for a class section, the mix of students (masters seeking and others) must be known, since it is the student and not the level of the course which determines the denominator for FTES.

FTEF: Full-Time Equivalent Faculty (FTEF) by department is determined using a series of calculations and adjustments which are not reproducible solely from the data pertaining to an individual class section.

First, the WTUs (Weighted teaching Units) are determined for each class section according to the K-factor or S-factor of the course mode of instruction (lecture, lab, activity, supervision, etc.). The next page contains the complete guide. Next, WTUs are adjusted for cross-listed classes. For all classes that are offered at the same time and location and by the same instructor, the WTUs are discounted to reflect the instruction of a single class. These are then apportioned across each of the cross-listed sections according to enrollment.

FTEF used for the calculation of Student/Faculty Ratios is the IFF (Instructional Faculty Fraction) and reflects the teaching resources available. The appointed time base, Total Support Fraction (TSF), is reduced by both funded assigned time, Other Support Fraction (OSF), and department chair/administrative appointment, Instructional Administrative Fraction (IAF), to arrive at IFF. It should be noted that for a tenured/tenure track non-FERP faculty member who has no funded assigned time and no administrative appointments, they will be a 1.0 FTEF regardless of the number of WTUs carried. Consequently, a tenured/tenure track faculty member teaching an "overload" will not increase the FTEF total for the department and may in fact increase the overall SFR since any FTES generated in the overload class(es) will increase the departmental FTES.

SFR: The Student/Faculty Ratio for a given department is then FTES/FTEF with all the considerations described above. Historically, we have only published one gross SFR for each department.

Resources:

- [Definitions for APDB Faculty Assignments by Department \(FAD\)](#)
- [FAD Review Checklist](#)

WTU Calculation Guide

The following are the key elements and formula used to determine WTU usage based on census class enrollments by mode.

Mode	CS Code	Mode Description	Fact type	Wrklload factor
C-1	LEC	Large Lecture	K	1.00
C-2	LEC	Lecture-Discussion	K	1.00
C-3	LEC	Lecture-Composition/Counsel	K	1.00
C-4	LEC	Lecture-Composition/Math	K	1.00
C-5	SEM	Seminar	K	1.00
C-6	CLN	Clinical Process/on-camp	K	1.00
C-7	ACT	Activity-Art/Anth/Sci	K	1.30
C-8	ACT	Activity-Educ/SocSci/SciDemo	K	1.30
C-9	ACT	Activity-Music	K	1.30
C-10	ACT	Activity-Instrumental/Vocal	K	1.30
C-11	ACT	Activity-Physical Educ	K	1.30
C-12	ACT	Activity-Speech/Drama/Journ	K	1.30
C-13	ACT	Activity-Bus/Acct/Geog/ForLang	K	1.30
C-14	ACT	Activity-Remedial Instruction	K	1.30
C-15	LAB	Lab-Art/ForLang/Engl/IT	K	1.50
C-16	LAB	Lab-Sci/Psyc/NR/Engr/Photo	K	2.00
C-17	LAB	Demo Lab-Clinical/Off camp	K	2.00
C-18	ACT	Coaching-Major Intercol	K	6.00
C-19	ACT	Coaching-Minor Intercol	K	3.00
C-20	ACT	Prod Wrkshop-Art/Thea/Journ	K	3.00
C-21	ACT	Music-Major Perf Groups	K	3.00
C-78	TUT	Non-Traditional Instruction	K	.00
S-25	SUP	Supervision-Graduate(S3)	S	.50
S-36	SUP	Supervision-Undergrad(S2)	S	.33
S-48	SUP	Music-Studio Instruction(S1)	S	.25

For C-1 through C-21 WTU's are calculated as follows:

WTU's = FACTOR * CLASS UNIT VALUE

For variable unit classes, the highest enrolled unit value is used

For S-25, S-36, and S-48, WTU's are calculated as follows:

WTU's = FACTOR * CLASS ENROLLMENT

** C-78 generates zero WTUs regardless of the number of units

$$\text{IFF} = \text{TSF} - (\text{IAF} + \text{OSF})$$

DED Data Element Definition

Instructional Faculty Fraction (IFF)

A faculty data element, expressed as a decimal fraction of a full-time faculty position (1.000), which indicates the share of a faculty person's individual department appointment that is supported by the state instructional budget. The value is not affected by tenure status, e.g., a non-tenured faculty teaching a full load of classes should be reported with an IFF of 1.000. An "overage" of 25% over and above a 1.000 full time position is allowed under certain conditions as outlined in article 36 ("Additional Employment") of the 2002 California Faculty Association labor relations contract.

Total Support Fraction (TSF)

This faculty data element represents the portion of a faculty person's position paid via the state instructional budget such that a value of 1.000 represents a full time appointment. Latter may include class instruction ("IFF") and/or other adjunct support ("OSF"). A "coverage" of 25% over and above a full time appointment is allowed under certain conditions as per article 36 in the California Faculty Association labor relations contract.

Instructional Administrative Fraction (IAF)

A faculty data element, expressed as a decimal fraction of a full-time faculty position (1.000), which indicates the share of a faculty person's individual department appointment that is supported by the state instructional administrative budget. For example, a faculty person with a one-fourth time instructional administrative appointment in a specific department would be reported with an IAF of 0.250.

Other Support Fraction (OSF)

A faculty data element, expressed as a decimal fraction of a full-time faculty position (1.000), which indicates the share of a faculty person's individual department appointment that is supported by state funding other than the instructional or administrative support budgets. This element should be used to indicate:

1. The appointment fraction for a person with a single department appointment who teaches one or more sections and is being paid for from state funds other than instructional budget or administrative budget.
2. Reimbursed faculty time. For example, a librarian, administrator, or computer center employee who teaches a course funded from the total state support budget (rather than the instructional budget) would have his/her appointment fraction recorded as Other Support Fraction (OSF). ROTC, volunteer faculty, and dollar-a-year faculty should be reported with zero OSF.