A Brief Guide to Data Definition and Calculation for Enrollment, Instructional Efficiency, and Student Achievement

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Student headcount – Student headcount is an unduplicated count of students. It is actual number of individual students enrolled. Students may enroll in one more courses in a term, but they are counted only one for the term.

Student Enrollment – Student enrollment is a duplicated count of students. Students may be enrolled in more than one course and would be counted in each course for the term.

Full-Time Equivalent Student (FTES) – FTES is a standard statewide measure of student enrollment at an academic department, or an institution. FTES is a key performance indicator, productivity measure, and funding rate. FTES represents neither student headcount nor student enrollment, but it is a conceptual measure of student enrollment.   The formula to calculate FTES is expressed by the equation below:

> FTES = (Census enrollment X Weekly student contact hours X Term Length Multiplier) / 525 where TLM = 16.5

> Example: FTES for a 3 unit class with 30 students enrolled at census FTES = (30 x 3.38 hours/week x 16.5 weeks/semester) / 525 = 3.19

Full-Time Equivalent Faculty (FTEF) –   In a FTEF, a faculty member's actual workload is standardized against the teaching load. Thus, FTEF does not represent an actual number of faculty members; it is a conceptual measure workload at an academic department, or an institution. The formula to calculate FTEF is expressed by the equation below:

> FTEF = WFCH / Contract teaching load of the discipline where WFCH = standard course hours
> Example: 3/15 = 0.20

Weekly Student Contact Hours (WSCH) – WSCH is acronym for weekly student contact hours. It presents a total number of hours faculty contacted students weekly in an academic department or an institution.
> WSCH = census enrollment x class hours per week

Instructional Efficiency (WSCH/FTEF) – WSCH is a proxy for revenue generated by the class. FTEF is a proxy for instructional cost. The ratio, WSCH per FTEF could be interpreted in terms of cost-efficiency or instructional quality. District has established 510 as the target WSCH/FTEF standard.

Average Class Size (ACS) – ACS is a measure of the enrollment per faculty contact hour. The District has established 34 as the *college-wide* target for average class size. The formula to calculate ACS is expressed as follows:

ACS = WSCH / WFCH or   ACS = (WSCH/FTEF) / Teaching load

Success Rate - The percentage of students who received a passing grade of A, B, C, P at the end of the semester.

Success rate = (A,B,C,P)/(A,B,C,D,F,P,N,W,I)

Retention Rate - The percentage of students retained in a class at the end of the semester.

Retention rate = (A,B,C,D,F,N,P,I)/(A,B,C,D,F,P,N,I,W)

Persistence rate – The percentage of students enrolled in next term out of students enrolled in first term.

Persistence rate = (number of students with at least one course in next term) / (number of students with at least one course in the first term)