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

**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:

\[ \text{FTES} = \frac{(\text{Census enrollment} \times \text{Weekly student contact hours} \times \text{Term Length Multiplier})}{525} \]

where TLM = 16.5

Example: FTES for a 3 unit class with 30 students enrolled at census FTES = \((30 \times 3.38 \text{ hours/week} \times 16.5 \text{ weeks/semester}) / 525 = 3.19\)

**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:

\[ \text{FTEF} = \frac{\text{WFCH}}{\text{Contract teaching load of the discipline}} \]

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.

\[ \text{WSCH} = \text{census enrollment} \times \text{class hours per week} \]

**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.

\[
\text{Success rate} = \frac{(A,B,C,P)}{(A,B,C,D,F,P,N,W,I)}
\]

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

\[
\text{Retention rate} = \frac{(A,B,C,D,F,N,P,I)}{(A,B,C,D,F,P,N,I,W)}
\]

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

\[
\text{Persistence rate} = \frac{\text{(number of students with at least one course in next term)}}{\text{(number of students with at least one course in the first term)}}
\]