

Table 4. Course outcome indicators analyzed from the Descriptive Biochemistry course.

Indicator	Description
NA%	Non-attendance rate: Proportion of enrolled students who did not complete any course assessment
DO%	Dropout rate: Proportion of enrolled students who obtained less than 10% of the total assessment points
FC%	Failure rate: Proportion of students who obtained between 10% and 50% of the total assessment points. *
PC%	Pass rate: Proportion of students who obtained between 50% and 75% of the total assessment points. *
EC%	Exemption rate: Proportion of students who obtained more than 75% of the total assessment points. *
NB%	Pass without bonus: Proportion of students who passed the course with 50–60% of the total points. *
B5%	Pass with 5% bonus: Proportion of students who passed with 60–65% of the total points. *
B10%	Pass with 10% bonus: Proportion of students who passed with 65–75% of the total points. *

* Students were considered to have taken the course if they earned at least 10% of the total assessment points (i.e., the maximum score from Assessment I).

* Passing was defined as obtaining between 50% and 75% of the total assessment points.

Table 5. Assessment-level indicators from the assessment tools used in the Descriptive Biochemistry course.

Indicator	Description
Attendance (%)	Proportion of students who participated in the course * and completed each assessment tool.
Reliability (%)	Internal consistency (Cronbach's alpha coefficient, %) for Assessments I and IV, as reported by the Moodle platform's statistical module.
Asymmetry	Distribution asymmetry (skewness), obtained from Moodle for Assessments I and IV, and calculated using GraphPad Prism 8.0.1 (GraphPad Software, Boston, MA, USA) for Assessments II and III.
Mean score (%)	Average percentage score, retrieved from Moodle for Assessments I and IV, and calculated using GraphPad Prism for Assessments II and III.
% above passing threshold	Proportion of students who completed the assessment tool and obtained more than 50% of the total assessment score.
% above exemption threshold	Proportion of students who completed the assessment tool and obtained more than 75% of the total assessment score.

*Students were considered to have taken the course if they earned at least 10% of the total assessment points (i.e., the maximum score from Assessment I).