Course Student Learning Objective	Course Assessments
Apply biochemical concepts to interpret biomolecular structure/function relationships and make predictions about how macromolecules will function in cells.	Exam 1, Exam 6, In Class Assignments, Learning Curve Adaptive Quizzes
Recognize how common macromolecules are formed and degraded in cells.	Exam 1, Exam 2, Exam 3, Exam 6, In Class Assignments, Learning Curve Adaptive Quizzes
Illustrate cellular processes including cellular respiration, membrane transport, cell division, and inter- and intracellular communication	In Class Assignments
Explain DNA structure and the key processes related to gene expression (replication, transcription, translation) in pro- and eukaryotes.	Exam 2, Exam 6, In Class Assignments, Learning Curve Adaptive Quizzes
Describe human organ systems. Compare human anatomy to other vertebrate and invertebrate examples.	Exam 4, Exam 5, Exam 6, In Class Assignments, Learning Curve Adaptive Quizzes
Interpret diagrams and graphs representing molecular and cellular biological phenomena.	All exams, In Class Assignments, Learning Curve Adaptive Quizzes
Use a micropipette, serological pipette, microscope, and other equipment to complete lab work.	Lab Quizzes (HuskyCT with practical components at the bench, observed by TA), Practical final exam
Solve metric system unit conversions.	Lab Quizzes (HuskyCT with practical components at the bench, observed by TA), Practical final exam, Pre-Lab and During-Lab assignments
Calculate and create molar and percent solutions and dilutions.	Lab Quizzes (HuskyCT with practical components at the bench, observed by TA), Practical final exam, Pre-Lab and During-Lab assignments
Communicate using common scientific research concepts: hypotheses, independent and dependent variables, controls, etc.	Pre-Lab and During-Lab assignments, Practical Final Exam
Create and analyze figures and tables to support conclusions.	Pre-Lab and During-Lab assignments, Practical Final Exam