MOLECULAR BIOLOGY (MOLB)

MOLB 7650 - Research in Molecular Biology (1-10 Credits)
Research work in molecular biology. Prereq: Consent of the instructor.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 99.
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring, Summer.

MOLB 7661 - Molecular Biology Seminar (1 Credit)
Seminar series provides a forum for the presentation of scientific
experiments and information in molecular biology by faculty, postdoctoral
fellows, graduate students and invited outside guest speakers.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall, Spring.

MOLB 7800 - Advanced Topics in Molecular Biology (3-4 Credits)
Course instructs graduate students how to critically evaluate scientific
literature. Course in 4 blocks; topics include nucleic acid, chromatin
structure, DNA replication, RNA transcription, RNA processing, cell cycle
control, genetics of model organisms. Papers chosen by instructors,
presentations by students. Prereq: IDPT 7811, 7812, 7813, 7814, 7815.
Restriction: By Permission of instructor. Course offered in 4 blocks of 1
hour of credit each.
Grading Basis: Letter Grade
Repeatable. Max Credits: 4.
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

MOLB 7950 - Informatics and Statistics for Molecular Biology (4
Credits)
This course covers the design and analysis of common molecular
biology experiments with thorough coverage of statistical and informatic
approaches to data analysis. The course begins with a "boot camp" that
covers use of shell programming, R/R Studio, and Python scripting in
bioinformatics. Pre-Req: MOLB-PhD or CSDV-PhD students only
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Fall.

MOLB 8990 - Doctoral Thesis in Molecular Biology (1-10 Credits)
Doctoral thesis work in molecular biology. Prereq: Consent of Instructor.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 99.
A-GRAD Restricted to graduate students only.
Additional Information: Report as Full Time.
Typically Offered: Fall, Spring, Summer.