BIOL 443

Term:  Fall 2016
Course No. & Section:  BIOL 443-01

Course Title:  MOLECULAR BIOLOGY
Professor:  FACULTY

Course Description:

Objectives:
- To provide students with a breadth of knowledge regarding the flow of genetic material, commonly referred to as the “central dogma of biology,” paying particular attention to the biological properties of macromolecules

Content:
The course will cover topics appropriate to molecular biology, including: DNA replication, RNA transcription, RNA processing, protein translation, recombinant DNA technology, in addition to discussion of the above topics with respect to experimental analysis utilizing the methods of classical and molecular genetics and biochemistry.

Prerequisites/Recommended Background:
- Upper division Biology, Biochemistry, Natural Science or Chemistry major
- Courses completed: Organic Chemistry (both semesters) and BIOL 202 (Genetics)

Required Texts/References:

Course Work/Expectations:
- 2 midterm exams and a final exam
- 1 research paper

Comments:
- Fulfills upper division Molecular Biology requirement