BIO3140 SC/BIOL3140 4.0
Advanced Biochemistry and Molecular Genetics Laboratory

Research techniques used in biochemistry and molecular biology including recombinant DNA technology will be presented. Laboratory practices include Isolation and mapping of bacterial plasmids, recombinant molecules; polymerase chain reaction; nucleic acid hybridization. Enrolment of each session is restricted to 16 students. Six laboratory hours per week, plus additional one lecture hour as indicated in course manual. One term. Four credits.

Prerequisite/Corequisite:
SC/BIOL 3110 3.0. SC/BIOL 3130 3.0 strongly recommended as a prerequisite or corequisite.

Course Director:
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Text:
Biotechnology: DNA to Protein by, Thiel, Bissen, Lyons. Will be sold by the bookstore. (It is a non-returnable course kit)

Scheduling:
2008 Fall section A
Lecture: Friday 13:30 to 14:30 FC 108
Thursday 14:30 to 17:30 FS 217
Friday 14:30 to 17:30 FS 217

Assignment and Grading:
Labs reports 50%, Assignment 20%, Final Exam 20%, Lab performance and lab book 10%

Other Information:
Enrollment is limited, therefore students should enroll as soon as possible.

It is very important that you come prepared to each class. To that end, we expect that you will have a flow sheet for each lab prepared before the lab starts. The flowsheets are to be included in the lab book and will be part of the marking scheme for the lab books. The TA will initial each flowsheet. We strongly suggest that you purchase 1 hardcover book to act as your lab book. The lab book will be handed in for marking.