BIOT - BIOTECHNOLOGY

BIOT 601 Biotechnology Principles and Techniques I
Credits 4.0 Lecture Hours. 8 Lab Hours.
Basic theories and techniques essential to laboratory research in
agricultural, environmental or medical biotechnology such as laboratory
safety and records keeping, genome informatics, DNA analysis, RNA
analysis, protein analysis and analysis of biological systems.
Prerequisite: Graduate classification and approval of instructor.

BIOT 602 Biotechnology Principles and Techniques II
Credits 4.0 Lecture Hours. 8 Lab Hours.
Application of basic theories and principles of biotechnology to team and
individual research problems in a laboratory setting.
Prerequisites: BIOT 601; graduate classification.

BIOT 603 Applied Principles of Biotechnology
Credits 4.1 Lecture Hour. 9 Lab Hours.
Applied experience with biotechnology laboratory procedures and
instrumentation in a research environment. May be repeated twice for
credit.
Prerequisites: BIOT 601; graduate classification.

BIOT 635 Molecular Biotechnology
Credits 3.3 Lecture Hours.
Theory and application of molecular biotechnology; consideration of
the structure and function of cellular components and methods to
characterize these components with reference to examples in industry.
Prerequisite: Approval of instructor.

BIOT 645 Biotechnology Writing
Credits 3.3 Lecture Hours.
Development of biotechnology writing and editorial skills; communication
of specialized information to the public and peers.
Prerequisite: Graduate classification and approval of instructor.

BIOT 681 Biotechnology Seminar
Credit 1.1 Other Hour.
Review and discussion of current topics in biotechnology industries, with
focus on skills essential to success in the corporate environment such as
communication, interviewing and interpersonal skills.
Prerequisite: Graduate classification and approval of instructor.

BIOT 684 Directed Professional Internship
Credits 4.4 Other Hours.
A directed internship in an organization that provides on-the-job training
with professionals in organizational settings appropriate to the student's
professional objectives. May be taken two times for credit.
Prerequisite: Approval of the Chair of the Faculty of Biotechnology.

BIOT 685 Directed Studies
Credits 1 to 4.1 to 4 Other Hours.
Provides customized training and experience to students in the
Biotechnology Program; topics can include laboratory research, scientific
literature reviews, biotechnology market surveys, and training in
technology commercialization.
Prerequisite: Approval of instructor.

BIOT 689 Special Topics in...
Credits 1 to 4.1 to 4 Lecture Hours.
Selected topics in an identified area of biotechnology. May be repeated
for credit.
Prerequisite: Approval of instructor.