



Biotechnology Program NEW Module Format

To be offered in the Fall, 2000 Semester

Overview of Module Format

Each module will meet once a week over the course of 5 weeks

Each module will be worth one credit

All modules will have the following prerequisites:

BIO 101 or 204;

CHEM 108 or 110;

MATH 101

Advanced modules will also have introductory modules as advisories

Introductory Modules

BTEC101: Basic Solution and Media Preparation

BTEC102: Basic bacteriology and sterile technique

BTEC103: Introduction to assays and spectroscopy

BTEC104: Introduction to gel electrophoresis

BTEC105: Bioethics

BTEC106: The product development process and cGMP

Advanced Modules

BTEC201: Principles and practices of tissue culture

BTEC202: Isolation and purification of DNA

BTEC203: Techniques of DNA amplification (Polymerase Chain Reaction)

BTEC204: Recombinant DNA

BTEC204: Detection of DNA by hybridization

BTEC206: Principles of separation and HPLC

BTEC207: Techniques in Immunochemistry and ELISA

BTEC208: DNA sequencing

BTEC209: Employment Preparation

Contact the Biotech Department for more details!!

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or visit our website <http://www.miracosta.cc.ca.us/biotech>