

## Master Syllabus

### BIO 2236 - Lab for Genetics

**Division:** Science, Mathematics and Engineering

**Department:** Biology

**Credit Hour Total:** 0.0

**Date Revised:** July 2017

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### Course Description:

#### General Education Outcomes:

- Oral Communication Competency
- Written Communication Competency
- Critical Thinking/Problem Solving Competency
- Values/Citizenship/Community Competency
- Computer Literacy Competency
- Information Literacy Competency

#### Course Outcomes:

##### Molecular Genetics

Describe concepts and potential impacts of molecular genetics on microbial populations and human populations.

**Assessment Method:** Locally developed exams

**Performance Criteria:** Accumulate a minimum total of 60% of all the available points in the course

##### Cancer Genetics

Describe concepts and potential impacts of cancer genetics on the growth of human population, both in established countries and developing third world countries.

**Assessment Method:** Locally developed exams

**Performance Criteria:** Accumulate a minimum total of 60% of all the available points in the course

##### Developmental Genetics

Describe concepts and potential impacts of developmental genetics on the human population.

**Assessment Method:** Locally developed exams

**Performance Criteria:** Accumulate a minimum total of 60% of all the available points in the course

#### Outline:

GeneticsPopulation GeneticsMicrobial GeneticsCancer GeneticsDevelopmental GeneticsEvolutionary Genetics