

Course Outcomes Assessment

Course Title: BIO 202 – Radiation Biology

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Expected Learning Outcomes:

Identify and describe cellular Anatomic Structures including organelles, and biological molecules

- Identify and describe the effects of radiation on Gastrointestinal, Cardiovascular, Central Nervous, and Hemopoetic systems,
- Identify and describe the acute effects, genetic effects and carcinogenesis of post radiation exposure,
- State the effects of radiation on fetal development,
- Define and describe Maximum Permissible Dose values and rationale,
- Apply the concepts of Clinical Radiobiology – various diagnostic and therapeutic procedures involving radiation

ASSESSMENT PROCEDURES:

Assessment (How do or will students demonstrate achievement of each outcome?)

- Tests
- Quizzes
- Homework
- Final Exam

Validation (What methods have you used or will you use to validate your assessment?)

- Completion of course with an average grade of 75% or higher.

Results (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

- 100% (22 students) complete the course with a 75% or higher.

Follow-up (How have you used or how will you use the data to improve student learning?)

- Ensure continued use of common questions to test student knowledge that they are retaining over their course of learning.

Budget Justification (What resources are necessary to improve student learning?)

- No new resources at this time.