NORTHERN NEW MEXICO COLLEGE

Course Number Course Name	ENVS 3333 Radiation Biology
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	Survey of radiobiology: effects of differing types of radiation on matter, different radiations and their properties; detailed modes of action of radiation on biochemical and biophysical systems with emphasis on the large macromolecules of living tissue; nature of radiation damage to long-chain nucleic acid molecules; potential problems from indiscriminate use of radiation therapy and diagnostic x-rays, and nuclear facility accidents; effects of low-level radiation exposure.
Course Student Learning Outcomes/Objectives /Competencies	1. Knowledge of the global significance of the history and use of radiation and effects on human health. 2. Knowledge of radiation safety techniques to reduce exposure including use of Personal Protective Equipment and monitoring devices. 3. Demonstrate knowledge of survey equipment and technique for area surveys and surveys for removable contamination, radioactive decontamination procedures and disposal of radioactive waste.
College-Wide Student Learning Outcomes measured (General education courses only)	
Program Student Learning Outcomes measured	1. Effectively communicate complex concepts, theoretical applications, and analysis of research utilizing different media, to a wide variety of audiences.