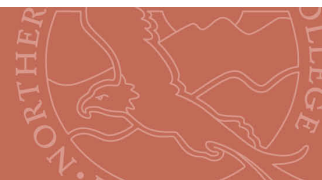


# NORTHERN NEW MEXICO COLLEGE



<b>Course Number</b>	ENVS 3333 Radiation Biology
<b>Course Name</b>	
<b>Credit Value (Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	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.
<b>Course Student Learning Outcomes/Objectives /Competencies</b>	<ol style="list-style-type: none"> <li>1. Knowledge of the global significance of the history and use of radiation and effects on human health.</li> <li>2. Knowledge of radiation safety techniques to reduce exposure including use of Personal Protective Equipment and monitoring devices.</li> <li>3. Demonstrate knowledge of survey equipment and technique for area surveys and surveys for removable contamination, radioactive decontamination procedures and disposal of radioactive waste.</li> </ol>
<b>College-Wide Student Learning Outcomes measured (General education courses only)</b>	
<b>Program Student Learning Outcomes measured</b>	<ol style="list-style-type: none"> <li>1. Effectively communicate complex concepts, theoretical applications, and analysis of research utilizing different media, to a wide variety of audiences.</li> </ol>