

# NORTHERN NEW MEXICO COLLEGE



<b>Course Number</b>	RDPR 2238L Introduction to Radiation Protection
<b>Course Name</b>	
<b>Credit Value (Breakdown of theory and lab credits)</b>	4 credits, (3 Theory, 1 Studio)
<b>Catalog Course Description</b>	Theory and practice of radiation protection: health physics programs for area, site, and personnel monitoring for various types of facilities including nuclear materials production and processing, nuclear reactors, accelerators, radioisotope handling, and x-ray production facilities; interaction of radiation with material; devices and instrumentation for the detection of radiation with emphasis on health physics applications; safe handling procedures and survey methods; translation of guides and regulations to working procedures.
<b>Course Student Learning Outcomes/Objectives /Competencies</b>	<ol style="list-style-type: none"> <li>1. Demonstrate an ability to understand and apply radiation physics principles related to radiation protection concepts.</li> <li>2. Demonstrate knowledge of radioactivity and transformation mechanisms.</li> <li>3. Recognize the role of radiation protection professionals related to ensuring worker safety during radiological work activities.</li> <li>4. Demonstrate knowledge of the terminology used in radiation protection.</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. Obtain knowledge and technical skills related to radiation protection and measurements.</li> </ol>