

NORTHERN NEW MEXICO COLLEGE



Course Number	RDPR 2242 Problems in Radiation Protection
Course Name	
Credit Value (Breakdown of theory and lab credits)	4 Theory
Catalog Course Description	Considers current topics of concern in radiation protection, such as natural radiations, radiations peculiar to industrial and manufacturing processes, low level radiation exposure, and ALARA principles.
Course Student Learning Outcomes/Objectives /Competencies	<ol style="list-style-type: none"> 1. Become prepared to successfully pass the NRRPT examination. 2. Demonstrate an ability to understand and solve radiation protection problems in the following areas: <ol style="list-style-type: none"> a. Radioactivity b. Interaction of radiation and matter c. Radiation shielding d. Radioactive air calculations e. Dosimetry f. Radiation instrumentation g. External radiation problems h. Radiation counting statistics 3. Recognize the role of radiation protection professionals related to ensuring worker safety during radiological work activities. 4. Demonstrate knowledge of the terminology used in radiation protection
College-Wide Student Learning Outcomes measured (General education courses only)	
Program Student Learning Outcomes measured	<ol style="list-style-type: none"> 1. An ability to apply knowledge of radiation protection to practical real-world situations focusing on nuclear production facilities. 2. An ability to identify and solve radiation protection problems keeping in mind all professional and ethic aspects.