



Course Number	RDPR 242 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.
Student Learning Outcomes/Objectives /Competencies of the Course	<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	<ol style="list-style-type: none"> 1. <i>Information Literacy</i> <i>Information literacy will be assessed by research on the areas of radiation protection and current advancements in the area.</i>