



Course Number Course Name	RDPR 238L INTRODUCTION TO RADIATION PROTECTION
Credit Value (Breakdown of theory and lab credits)	4 Credits, (3 Theory, 1 Studio)
Catalog Course Description	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.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Demonstrate an ability to understand and apply radiation physics principles related to radiation protection concepts. 2. Demonstrate knowledge of radioactivity and transformation mechanisms. 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>Critical Thought</i> <i>Critical thought will be assessed in exam questions related to topics of radiation protection.</i>