

NORTHERN NEW MEXICO COLLEGE



Course Number Course Name	RDPR 2243 Practical Radiological Programs and Sampling Methods
Credit Value (Breakdown of theory and lab credits)	4 Theory
Catalog Course Description	Practical methods of handling Health Physics problems in the field. Includes techniques for environmental monitoring, sampling, and contamination control. Environments covered: uranium, plutonium, and tritium facilities, and accelerators, reactors, and general hospitals.
Course Student Learning Outcomes/Objectives /Competencies	<ol style="list-style-type: none"> 1. State the reason why a radiation worker should wear a personnel dosimeter, and explain the function and characteristics of such devices. 2. Identify the appropriate location on the body where the personnel dosimeter(s) should be worn during various activities and procedures. 3. Describe the various components of the film badge, optically stimulated luminescence (OSL) dosimeter, pocket ionization chamber, and thermoluminescent dosimeter (TLD), and explain the use of each of these devices as personnel monitors. 4. Explain the function of radiation survey instruments. 5. Explain the requirements for radiation survey instruments.
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 work independently and on multi-disciplinary teams.