



## Course Descriptions

### **RADS 5010 – Research I (3 hours)**

*Prerequisite: Undergraduate research course or statistics course*

This course explores qualitative, quantitative, and mixed research methodologies and statistical analyses appropriate to the research process in the Radiologic Sciences.

### **RADS 5020 – Current Issues in Radiologic Sciences (3 hours)**

This course will examine practice and healthcare recent issues affecting the Radiologic Sciences. Topics will provide a basis for understanding current practice in Radiologic Sciences.

### **RADS 5030 – Legal & Regulatory Issues in Radiologic Sciences (3 hours)**

This course presents legal and regulatory issues related to Radiologic Sciences education and administration. Topics may include: HIPAA, FERPA, ADA, institutional and programmatic accreditation requirements, state and federal regulatory guidelines, copyright, and plagiarism.

### **RADS 5110 – Research II (3 hours)**

*Prerequisite: 5010*

This course provides opportunities to develop skills in information literacy including critical analyses of published research. Students will synthesize information from multiple resources to produce a literature review related to Radiologic Sciences.

### **RADS 5123 – Data Collection and Analysis (3 hours)**

This course provides an overview of methods for data collection related to research questions, methods for analyzing the data collected, and methods for presenting and communicating results and findings.

### **RADS 5210 – Curriculum Development & Teaching Methods in Radiologic Sciences (3 hours)**

Explore the nature of higher education, radiologic science education and the faculty role. This course will discuss curriculum design, its dimensions, objectives, and dynamics; the instructional process, including the learner, theories of learning and their application to radiologic science education, concept formation, and teaching-learning activities.

### **RADS 5220 – Assessment in Radiologic Sciences (3 hours)**

This course will provide assessment techniques for both didactic and clinical settings in Radiologic Sciences. Topics may include: test construction, rubrics, instrument design, clinical evaluation, and formative and summative evaluation techniques.

**RADS 5230 – Radiologic Sciences Student Management (3 hours)**

This course will provide a discussion of issues in the radiologic sciences education setting. Topics may include: advisement, counseling, records management, affiliation agreements, and disciplinary procedures.

**RADS 5310 – Operations and Resource Management in Radiologic Sciences (3 hours)**

This course will examine the administrative role in radiologic sciences within health care settings. Students will explore personnel management, risk management, evaluation methods, policies and procedures, and hiring practices.

**RADS 5320 – Fiscal Management in Radiologic Sciences (3 hours)**

This course will explore financial management within the radiologic sciences. Students will analyze and evaluate fiscal information to develop effective strategies for managing the financial resources in radiologic sciences and healthcare.

**RADS 5330 – Information Management in Radiologic Sciences (3 hours)**

This course will investigate techniques to manage and process information in the health care setting to support clinical practice and administration within the radiologic sciences.

**RADS 5510 – Education Evidence Based Practice (3 hours)**

*Prerequisites:* 5210, 5220, 5230

This course allows the students to demonstrate the knowledge and skills obtained throughout the graduate program for evidence-based practice and projects applicable to radiologic sciences education.

**RADS 5530 - Administration Evidence Based Practice (3 hours)**

*Prerequisites:* 5310, 5320, 5330

This course allows the students to demonstrate the knowledge and skills obtained throughout the graduate program for evidence-based practice and projects applicable to radiologic sciences administration.

**RADS 5910 – Applied Research (3 hours)**

*Prerequisite:* 5110

Students will apply principles from Research I and Research II to develop a graduate-level research paper. Students must register for this course each semester until the research paper is satisfactorily completed.

**RADS 5980 – Thesis (3 to 6 hours)**

*Prerequisite:* 5110

Students will apply principles from Research I and Research II to develop a graduate-level thesis. Students must register for this course each semester until the thesis is satisfactorily completed and approved.

**NURG 5110 – Leadership in Healthcare (3 hours)**

Administration concepts, principles and theories which relate to communication, decision-making, power, change, and leadership.