
RADIOLOGY PRACTITIONER ASSISTANT (RPA) / RADIOLOGIST ASSISTANT (RA)

DEPARTMENT OF RADIOLOGIC SCIENCES

WEBER STATE UNIVERSITY
OGDEN, UTAH 84408-3925

FALL SEMESTER - First Year

RADT 3143 Imaging Pathophysiology.....	3
RADT 3243 Patient Care and Assessment II	3
RADT 3403* Radiobiology & Health Physics.	3
RADT 5403 Evaluation of the Osseous System.....	3
RADT 5423 Evaluation of the Abdomen and GI System.....	3
RADT 5861 Clinical Preceptorship	3
Total Semester Credit Hours	<u>15-18</u>

SPRING SEMESTER - First Year

RADT 3123 Sectional Anatomy.....	3
RADT 3253 Patient Care & Assessment III..	3
RADT 3263 Diagnostic Services Pharmacology.....	3
RADT 5413 Evaluation of the Chest.....	3
RADT 4933 Research Methods.....	3
RADT 5862 Clinical Preceptorship	3
Total Semester Credit Hours....	<u>18</u>

SUMMER SEMESTER - First Year

RADT DV3003* Psycho-Social Medicine....	3
RADT 3043* Medical Ethics and Law.....	3
RADT SI3443 Quality Assurance (Fluoroscopy).....	3
RADT 4303 Cardiology.....	3
RADT 4992 Directed Readings:(Professional Communication Radiology).....	1
RADT 5473 Invasive Imaging Studies (Non-vascular)	3
RADT 5863 Clinical Preceptorship	3
Total Semester Credit Hours	<u>13-19</u>

FALL SEMESTER - Second Year

RADT 3563 Managing Patient Information...3	
RADT 4203 Patient Education in Radiology . 3	
RADT 4253 Risk Management..... 3	
RADT SI4943 Baccalaureate Thesis	3
RADT 5433 Evaluation of the Genitourinary System	3
RADT 5864 Clinical Preceptorship.	3
Total Semester Credit Hours...	<u>18</u>

SPRING SEMESTER - Second Year

RADT 4803 Individual Research: Vascular Invasive Imaging	2
RADT 5443 Clinical Pathways.....	3
RADT 5453 Evaluation/CNS and Facial Structures.....	3
RADT 5463 Problem Patient Management... 3	
RADT 5865 Clinical Preceptorship	3
RADT 5868 Final Competency Assessment 3	
Total Semester Credit Hours...	<u>17</u>

*Students completing another program in the Department of Radiologic Sciences at Weber State University have completed these courses.

COURSE DESCRIPTIONS

RADIOLOGY PRACTITIONER ASSISTANT (RPA) / RADIOLOGIST ASSISTANT (RA)

RADT DV3003 PSYCHO-SOCIAL MEDICINE

3 Credit Hours

Designed to prepare students to better understand their patient and the patient's family through comparison of diverse populations based on their value systems, cultural and ethnic influences, communication styles, socio-economic influences, health risks and life stages. Study of factors that influence the interrelationships with patient and professional peers. Understanding multicultural diversity assists the student in providing better patient care.

RADT 3043 MEDICAL ETHICS AND LAW

3 Credit Hours

Medical ethics and law and case studies in medical imaging and radiation therapy.

RADT 3123 SECTIONAL ANATOMY

3 Credit Hours

Anatomical study of the body in the sagittal, transverse and coronal imaging planes.

RADT 3143 IMAGING PATHOPHYSIOLOGY

3 Credit Hours

Imaging adaptations and alterations in anatomy and physiology with variation outside of the normal range.

RADT 3243 PATIENT CARE AND ASSESSMENT II

3 Credit Hours

System analysis and advanced level of patient care, assessment and management in radiology.

RADT 3253 PATIENT CARE AND ASSESSMENT III

3 Credit Hours

Intravenous therapy, patient care procedures and monitoring during imaging studies.

RADT 3263 DIAGNOSTIC SERVICES

PHARMACOLOGY

3 Credit Hours

Concepts of pharmacology including modes of action, uses, modes of excretion effects, side effects and patient care required for specific pharmacologic agents.

RADT 3403 RADIOBIOLOGY AND HEALTH PHYSICS

3 Credit Hours

Effects of ionizing radiation on the human body, patient and personnel protection, exposure monitoring health physics and oncology.

RADT 3423 FEDERAL REGULATIONS

3 Credit Hours

Regulations governing health care, equipment and application of ionizing radiation.

RADT SI3443 QUALITY ASSURANCE IN RADIOLOGY (FLUOROSCOPY)

3 Credit Hours

Development of a quality assurance program and manual to meet accreditation requirements.

RADT 3563 MANAGING CLINICAL INFORMATION

3 Credit Hours

Digital and volumetric imaging, emerging technologies, secure computerized management practice, and patient privacy regulations.

RADT 4203 PATIENT EDUCATION IN RADIOLOGY

3 Credit Hours

Skills necessary to assess, plan and evaluate a variety of educational programs specific to radiology patients.

RADT 4253 RISK MANAGEMENT

3 Credit Hours

Study of management of risk associated with the delivery of health care in clinical and non-clinical settings.

RADT 4303 CARDIOLOGY

3 Credit Hours

Detailed study of the heart: anatomy, physiology, pathophysiology, pharmacology, EKGs and imaging modalities.

RADT 4803 INDIVIDUAL RESEARCH

1-3 Credit Hours

Research projects developed for district, state, regional or national presentation.

RADT 4933 RESEARCH METHODS
3 Credit Hours
Apply research strategies in health care and clinical practice, obtain certificate for human subject research, formulate a research proposal, and complete an institutional review board application.

RADT SI4943 BACCALAUREATE THESIS
3 Credit Hours
Research in the health professions utilizing the scientific inquiry method.

RADT 4992 SEMINAR
1–2 Credit Hours
New developments and procedures in imaging and therapy and preparing for the future.

RADT 5403 EVALUATION OF THE OSSEOUS SYSTEM
3 Credit Hours
Imaging evaluation of pathological conditions, abnormalities and anomalies of the osseous system.

RADT 5413 EVALUATION OF THE CHEST
3 Credit Hours
Imaging evaluation of pathological conditions, abnormalities and anomalies of the chest.

RADT 5423 EVALUATION OF THE ABDOMEN AND GI SYSTEM
3 Credit Hours
Imaging evaluation of pathological conditions, abnormalities and anomalies of the abdomen and gastrointestinal system.

RADT 5433 EVALUATION OF THE GENITOURINARY SYSTEM
3 Credit Hours
Imaging evaluation of pathological conditions, abnormalities and anomalies of the genitourinary system.

RADT 5443 CLINICAL PATHWAYS
3 Credit Hours
Studying clinical pathways for patients based on disease processes and trauma.
Prerequisites: RADT 5403 and RADT 5413.

RADT 5453 EVALUATION / CNS AND FACIAL STRUCTURES
3 Credit Hours
Imaging evaluation of pathological conditions, abnormalities and anomalies of the central nervous system and facial structures.

RADT 5463 PROBLEM PATIENT MANAGEMENT
3 Credit Hours
Determination of pathological conditions utilizing problem-solving case studies.

RADT 5473 INVASIVE IMAGING PROCEDURES
3 Credit Hours
Patient preparation and performance of medical imaging invasive procedures are presented.

RADT 5861 CLINICAL PRECEPTORSHIP
3 Credit Hours
Experience in a radiology department.
Consent of instructor needed.

RADT 5862 CLINICAL PRECEPTORSHIP
3 Credit Hours
Continuation of RADT 5861.

RADT 5863 CLINICAL PRECEPTORSHIP
3 Credit Hours
Continuation of RADT 5862.

RADT 5864 CLINICAL PRECEPTORSHIP
3 Credit Hours
Continuation of RADT 5863.

RADT 5865 CLINICAL PRECEPTORSHIP
3 Credit Hours
Continuation of RADT 5864.

RADT 5868 FINAL COMPETENCY ASSESSMENT
3 Credit Hours
Review and evaluation of student competencies.

