

RDT - RADIOLOGIC TECHNOLOGY

RDT 3090 Directed Study Cr. 1

Independent study of medical terminology and related vocabulary. Instructor-directed online course. Offered Fall.

Prerequisite: RDT 3100 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 3100 Introduction to Radiologic Technology Cr. 2

Introduction to radiology and hospital procedures. Role of radiographer as a member of the health care team. Offered Spring/Summer.

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$50

RDT 3200 Radiation Biology and Advanced Protection Cr. 3

Radiation protection procedures; radiation interaction with matter and dosage problem solving. Offered Fall.

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 3300 Radiographic Procedures I Cr. 3

Instruction and practical experience in procedures of positioning for the skeletal system with correlation to related anatomy in medical images. Offered Spring/Summer.

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 3400 Clinical Education I Cr. 6

Clinical course. Student participates in supervised practice of radiographic procedures, studied in conjunction with didactic coursework. Offered Spring/Summer.

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$55

RDT 3500 Patient Care Cr. 3

Practical application of patient handling: patient assessment, implication of medications and contrast media. BLS certification. Offered Winter.

Prerequisite: RDT 3090 with a minimum grade of C and RDT 3100 with a minimum grade of C and RDT 6500 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$35

RDT 3600 Clinical Education II Cr. 6

Application of didactic theory in practice on patients/clients under supervision of qualified technologists in a clinical setting. Offered Fall.

Prerequisite: RDT 3400 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$50

RDT 3700 Radiographic Procedures II Cr. 3

Continuation of RDT 3300. Additional advanced procedures, including skull, mammography, and gastrointestinal studies. Offered Winter.

Prerequisite: RDT 3300 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$35

RDT 3800 Cross-Sectional Anatomy Cr. 3

Presentation of anatomical structures in sectional format, as encountered in computed tomography or magnetic resonance imaging. Offered Spring/Summer.

Prerequisite: RDT 3300 with a minimum grade of C and RDT 3700 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 3900 Clinical Education III Cr. 6

Minimally supervised clinical experience. Skills practice to proficiency level; additional complex skills. Offered Winter.

Prerequisite: RDT 3600 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$50

RDT 4100 Radiographic Quality/Exposure Cr. 3

Practical application of technical exposure factor formulation; imaging systems and subsequent effects of equipment manipulation of images. Offered Fall.

Prerequisite: RDT 3200 with a minimum grade of C and RDT 3300 with a minimum grade of C and RDT 3700 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$35

RDT 4200 Radiation Physics and Circuitry Cr. 3

Radiation physics; tubes and circuits of radiographic equipment. Offered Fall.

Prerequisite: RDT 3200 with a minimum grade of C and RDT 3500 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 4300 Clinical Education IV Cr. 6

Continuation of RDT 3900. Offered Spring/Summer.

Prerequisite: RDT 3900 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$50

RDT 4400 Radiographic Pathology Cr. 3

Disease process and how they manifest in imaging modalities. Clarification of modality preference. Offered Winter.

Prerequisite: RDT 3500 with a minimum grade of C and RDT 4500 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 4500 Clinical Education V Cr. 6

Supervised clinical experience in performing radiographic procedures on patients in clinical setting. Evaluation of outcomes; application of knowledge at a progressive level. Offered Fall.

Prerequisite: RDT 4300 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$75

RDT 4600 Radiology Seminar Cr. 1

Introduction to imaging modalities beyond the scope and practice of the general radiographer; emphasis on interventional procedures. Offered Winter.

Prerequisite: RDT 3500 with a minimum grade of C and RDT 3700 with a minimum grade of C and RDT 4100 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$20

RDT 4700 Clinical Education VI Cr. 6

Continuation of RDT 4500. Offered Winter.

Prerequisite: RDT 4500 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

Course Material Fees: \$50

RDT 4800 Independent Study Cr. 1

Satisfies General Education Requirement: Writing Intensive Competency Independent research in radiology. Offered Fall.

Prerequisite: RDT 3090 with a minimum grade of C and RDT 3500 with a minimum grade of C and RDT 3700 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 4900 Jurisprudence for Radiographers Cr. 3

Ethical and legal case studies; research and discussion correlated to philosophical theory and accepted best law practice for general situations in health care and those specific to radiography. Offered Winter.

Prerequisite: PHI 2320 with a minimum grade of C and RDT 3500 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.

RDT 6500 Pharmacology Cr. 2

Effects of drug distribution, absorption and excretion as pertaining to physical therapy. Major drug categories, OTC, and nutritional supplements, pertinent to acute and chronic responses to physical therapy; indications, mechanisms, effects. Offered Fall.

Prerequisite: RDT 3100 with a minimum grade of C

Restriction(s): Enrollment limited to students in the BS in Radiologic Technology program.