Breast Imaging Program Courses (RSBI)

RSBI Courses

This is a list of courses with the subject code RSBI. For more information, see Radiation Sciences (Carver College of Medicine) in the Catalog.

RSBI:3310 Patient Care for Breast Imaging  3 s.h.
Foundation for providing high-quality patient care during breast imaging exams and procedures; patient communication, assessment, and treatment options including surgical, nonsurgical, and reconstruction. Requirements: acceptance to radiation sciences RT degree track or ARRT primary certification in radiography.

RSBI:3315 Breast Imaging Clinical Internship I  2 s.h.
Breast imaging clinical internship practicum at UI Health Care; rotation through department imaging rooms; competency and objective-based education with required clinical performance evaluations; participation in routine and advanced breast imaging exams; performance expectations become progressively higher as students gain experience and skills. Requirements: radiation sciences major.

RSBI:4110 Breast Imaging Procedures and Analysis  3 s.h.
Breast imaging exams including technique, image evaluation, and positioning.

RSBI:4115 Breast Imaging Clinical Internship II  4 s.h.
Breast imaging clinical internship scheduled at University of Iowa Hospital & Clinics; rotation through department imaging rooms; competency and objective-based education with required clinical performance evaluations; experience facilitated by breast imaging technologists, radiologists, residents, and clinical coordinator; participation in routine and advanced breast imaging exams; performance expectations become progressively higher as students gain experience and skills. Prerequisites: RSBI:3315. Requirements: radiation sciences major.

RSBI:4120 Anatomy and Pathology for Breast Imaging  2 s.h.
Anatomy, localization terminology, histology, and cytology; pathology including mammographic appearance and reporting terminology; benign, high risk, and malignant conditions and their mammographic appearances.

RSBI:4130 Breast Imaging Acquisitions and Principles  2 s.h.
Physics and hardware used in obtaining exams in breast imaging; equipment operations including design characteristics of mammography units, digital acquisition, display, and informatics.

RSBI:4210 Breast Imaging Advanced Procedures and Analysis  3 s.h.
Advanced breast imaging modalities including breast sonography, breast MRI, sentinel node mapping, and interventional procedures.

RSBI:4215 Breast Imaging Clinical Internship III  4 s.h.
Breast imaging clinical internship scheduled at University of Iowa Hospital & Clinics; rotation through department imaging rooms; competency and objective-based education with required clinical performance evaluations; experience facilitated by breast imaging technologists, radiologists, residents, and clinical coordinator; participation in routine and advanced breast imaging exams; performance expectations become progressively higher as students gain experience and skills.

RSBI:4220 Quality Control in Breast Imaging  3 s.h.
Quality control aspects related to breast imaging; quality assurance and evaluation including accreditation, certification, and Mammography Quality Standards Act (MQSA) regulations; quality control including mammographers tests and digital quality control tests; medical physicist test including general quality control tests and quality control tests specific to digital imaging and tomosynthesis.