MAM. Mammography

MAM-101 Mammography Procedures and Image Analysis
Class 3  Lab 3  Clinical 0  Work 0  Credit 4
This course provides the fundamentals of mammography positioning, patient care, and image analysis. Topics include breast anatomy/physiology, pathology and treatment of breast disease, patient preparation/education, mammographic procedures, and interventional procedures. Upon completion, students should be able to demonstrate competence in these areas.
Minimum State Prerequisites: None
Minimum State Corequisites: None

MAM-102 Mammography Instrumentation and Quality Assurance
Class 3  Lab 0  Clinical 0  Work 0  Credit 3
This course is a comprehensive study of physics, instrumentation, quality assurance, and quality control for digital mammography imaging systems. Topics include system components, imaging principles, and guidelines for selecting exposure factors. Upon completion, students should be able to demonstrate an understanding of mammographic equipment, quality assurance, and quality control.
Minimum State Prerequisites: None
Minimum State Corequisites: None

MAM-103 Digital Mammography
Class 1  Lab 0  Clinical 0  Work 0  Credit 1
This course is a comprehensive study of digital mammography. Topics include producing digital mammograms, understanding image processing, display, archive, and communication techniques, and determining proper image quality, radiation dose, and quality control procedures. Upon completion, students should be able to demonstrate the concepts of digital imaging, the process to produce digital mammograms, and the establishment of QC procedures.
Minimum State Prerequisites: None
Minimum State Corequisites: None

MAM-104 Digital Breast Tomosynthesis
Class 1  Lab 0  Clinical 0  Work 0  Credit 1
This course is a comprehensive study of digital breast tomosynthesis (DBT). Topics include the technology of DBT, application of DBT in the clinic setting, digital detector technology, the role of DBT in detecting breast cancer, and performing quality control procedures. Upon completion, students should be able to demonstrate the concepts of digital breast tomosynthesis, understand the application and role of DBT in the clinic setting, and perform quality control procedures.
Minimum State Prerequisites: None
Minimum State Corequisites: None

MAM-105 Mammography Clinical Education
Class 0  Lab 0  Clinical 15  Work 0  Credit 5
This course provides the opportunity to apply knowledge gained from classroom instruction to the mammography clinical setting. Emphasis is placed on patient care and positioning, mammographic procedures, interventional/special examinations, image analysis, and quality control testing. Upon completion, students should be able to demonstrate successful completion of clinical objectives.
Minimum State Prerequisites: None
Minimum State Corequisites: None

MAM-109 Mammography Capstone
Class 3  Lab 0  Clinical 0  Work 0  Credit 3
This course provides an overview of mammographic topics as practiced in the didactic and clinical settings. Emphasis is placed on critical thinking and integration of didactic and clinical components. Upon completion, students should be able to demonstrate the comprehensive knowledge required of an entry-level mammographer.
Minimum State Prerequisites: None
Minimum State Corequisites: None