DIAGNOSTIC IMAGING (DMI)

DMI 101 Introduction to Medical Imaging
1 cr. Undergraduate.
Introduction to Diagnostic Medical Imaging modalities with a special emphasis on Radiologic Technology and Diagnostic Medical Sonography. 
Prerequisites: none.
Course Rules: Counts as repeat of BMS 290 with similar topic.
Last Taught: Spring 2019, Fall 2018.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 306 Imaging Procedures I
5 cr. Undergraduate.
Radiographic anatomy and procedures related to upper and lower extremities, chest, abdomen, and barium studies. Pediatric imaging is discussed.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 307 Seminar in Radiography I
3 cr. Undergraduate.
Basic concepts of patient care, including consideration for the cultural, physical and psychological needs of the patient and family.
Prerequisites: jr st, BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 308 Imaging Procedures II
5 cr. Undergraduate.
Radiographic anatomy and procedures for the bony thorax, vertebral column, and iodinated studies will be covered. Pediatric imaging for each procedure will be discussed.
Prerequisites: jr st, BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 309 Imaging Procedures III
3 cr. Undergraduate.
Radiographic anatomy and procedures for the cranium and facial bones; pediatric imaging for each procedure will be discussed.
Prerequisites: none.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 310 Introduction to Sonography
3 cr. Undergraduate.
Introduction to Diagnostic Medical Sonography with an overview of basic terminology, techniques, and equipment.
Prerequisites: jr st, BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 311 Abdominal Sonography-I
3 cr. Undergraduate.
Anatomy, physiology, pathology, and pathophysiology of the abdominal vessels and organs as they relate to sonography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 312 Abdominal Sonography-II
3 cr. Undergraduate.
Anatomy, physiology, pathology, and pathophysiology of the kidneys and abdominal organs as they relate to sonography.
Prerequisites: jr st BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 313 Sonography Clinical Education I
3 cr. Undergraduate.
Introduction to sonography scanning and development of clinical skills.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 319 Abdominal Sonography III
2 cr. Undergraduate.
Anatomy, physiology, pathology, and pathophysiology of the male pelvis, intraoperative, and pediatric specialty exams as they relate to sonography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 320 Obstetrics/Gynecology Sonography I
3 cr. Undergraduate.
Gravid uterus and fetal development. Gestational dating methods, embryology, and maternal and fetal anatomy.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 321 Obstetrics/Gynecology Sonography II
3 cr. Undergraduate.
Fetal anomalies, disease processes, and pathologies. Various fetal and maternal pathologies explained in sonographic terms.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 322 Obstetrics/Gynecology Sonography III
3 cr. Undergraduate.
Fetal anomalies, disease processes, and pathologies. Various fetal and maternal pathologies explained in sonographic terms.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 323 Sonographic Principles and Instrumentation
3 cr. Undergraduate.
Characteristics of sound and mechanism of sonographic image production and display. Potential biological effects. Safety and mathematical principles.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/
DMI 324 Sonography Clinical Education II
3 cr. Undergraduate.
Clinical practicum rotations including abdominal and OB/GYN imaging, and vascular technology.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 325 Specialized Sonography
2 cr. Undergraduate.
Embryology, structure, physiology, and pathology of the thyroid, breast, and testicle. Normal and abnormal gross, cross-sectional, and relational sonographic anatomy.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 326 Sonography Clinical Education III
3 cr. Undergraduate.
Clinical practicum rotations including abdominal and OB/GYN imaging, and vascular technology.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 327 Foundations of Sonography I
2 cr. Undergraduate.
Initial introduction to diagnostic medical sonography with an overview of basic terminology, techniques, and equipment.
Prerequisites: Jr st, BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 328 Foundations of Sonography II
1 cr. Undergraduate.
Introduction to diagnostic medical sonography with an overview of basic techniques and equipment.
Prerequisites: DMI 327(P); Jr st, BioMed Sci prog or cons instr.
Last Taught: Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 336 Cardiovascular Principles I
4 cr. Undergraduate.
Introduction to cardiac physiology, mechanical events, left ventricle function indicators, timing of mitral and aortic flow, auscultation, phonocardiography, hemodynamics and Doppler applications of echocardiography.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 337 Clinical Education I - Echocardiography
3 cr. Undergraduate.
Clinical practicum rotations including adult echocardiography.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 340 Embryology of the Cardiovascular System
2 cr. Undergraduate.
Development and developmental anomalies of the cardiovascular system.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 341 Adult Echocardiography - Valvular Pathology
3 cr. Undergraduate.
Introduction to cardiac pathology seen on echocardiograms in the adult population.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 342 Clinical Education II - Echocardiography
3 cr. Undergraduate.
Clinical practicum rotations including adult and pediatric echocardiography.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 343 Pediatric Echocardiography I
3 cr. Undergraduate.
Introduction to various types of congenital heart disease and pediatric cardiac procedures.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 344 Adult Echocardiography - Cardiomyopathies
2 cr. Undergraduate.
Cardiovascular disease and diagnostic cardiac procedures in the adult population.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 345 Pediatric Echocardiography II
3 cr. Undergraduate.
Clinical practicum which includes adult and pediatric echocardiography clinical rotations with focus on advanced adult competencies.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 346 Adult Echocardiography - Cardiomyopathies
2 cr. Undergraduate.
Clinical practicum which includes adult and pediatric echocardiography clinical rotations with focus on advanced adult competencies.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 347 Clinical Education III - Echocardiography
3 cr. Undergraduate.
Clinical practicum which includes adult and pediatric echocardiography clinical rotations with focus on advanced adult competencies.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 350 Introduction to Radiologic Science and Healthcare
2 cr. Undergraduate.
Introduction to Radiologic Technology imaging principles and equipment. Basic concepts of patient care, emergency care, CPR, medical ethics, legal issues, and cultural diversity.
Prerequisites: Jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/
DMI 351 Radiation Protection
2 cr. Undergraduate.
All aspects of radiation protection including radiation safety, detection, and measurement relevant to Radiologic Technology.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 352 Human Structure & Function I
2 cr. Undergraduate.
Structure and physiology of the human body as they relate to radiography of the respiratory, digestive and urinary systems, and skeletal anatomy.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 353 Principles of Imaging I
3 cr. Undergraduate.
Radiographic qualities and factors influencing those qualities. X-ray tube, beam restricting devices, exposure factors, grids and scatter radiation.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 354 Radiographic Procedures I
3 cr. Undergraduate.
Introduction to radiographic positioning of the chest, upper extremities, urinary and digestive systems. Pharmacology of contrast media.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 355 Radiography Clinical Education I
3 cr. Undergraduate.
Students rotate through all aspects of the radiologic science field. A total of 65 competencies must be achieved in two years of clinical education.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 360 Radiation Biology
2 cr. Undergraduate.
Effects of radiation from the cellular level to the entire human body. Long and short term somatic effects and genetic effects.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 361 Human Structure & Function II
2 cr. Undergraduate.
Structure and physiology of the human body as they relate to radiography of the digestive and urinary systems and skeletal anatomy.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 362 Principles of Imaging II
3 cr. Undergraduate.
Radiographic qualities and the factors influencing those qualities. Systems and chemicals used in radiographic processing. Film and processor sensitometry.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 363 Radiographic Procedures II
3 cr. Undergraduate.
Introduction to radiographic positioning for lower extremities, spine, and digestive system. Students learn to identify anatomy on radiographs and evaluate them for acceptability.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 364 Radiography Clinical Education II
3 cr. Undergraduate.
Students rotate through all aspects of the radiologic science field. A total of 65 competencies must be achieved in two years of clinical education.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 370 Human Structure & Function III
1 cr. Undergraduate.
Anatomy and physiology of the human body as they relate to the radiography of the skull, facial bone, and circulatory system.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 371 Radiographic Procedures III
2 cr. Undergraduate.
Basic concepts of advanced imaging, special procedures, and supplementary imaging modalities.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 372 Radiographic Clinical Education III
4 cr. Undergraduate.
Clinical Education allows students to rotate through all aspects of the radiologic science field. A total of 65 competencies must be achieved in two years of clinical education.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 401 Seminar in Radiography II
2 cr. Undergraduate.
Evaluation of all aspects of the imaging system from processor to generator.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/
DMI 402 Introduction to MSK Sonography
1 cr. Undergraduate.
Study of anatomy (to include anatomic variants), physiology, pathophysiology and the sonographic appearance of the musculoskeletal system as evaluated by diagnostic medical sonography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 435 Adult Echocardiography - Advanced Pathology
3 cr. Undergraduate.
Cardiovascular pharmacology and the potential effects of cardiac medications on echocardiographic images.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 436 Pediatric Echocardiography II
3 cr. Undergraduate.
Advanced instruction in various types of congenital heart disease and pediatric echocardiography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 437 Stress Echocardiography
3 cr. Undergraduate.
Indications, utility, limitations and technical procedures related to exercise stress echocardiography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 438 Clinical Education IV - Echocardiography
3 cr. Undergraduate.
Clinical practicum rotations including advanced adult and pediatric imaging of the heart with focus on advanced pediatric competencies.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 439 Clinical Education V - Echocardiography
4 cr. Undergraduate.
Clinical practicum rotations including exercise and pharmacological stress, echocardiograms and transesophageal echocardiograms.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 440 Clinical Education VI - Echocardiography
3 cr. Undergraduate.
Clinical practicum including advanced imaging in echocardiography techniques.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 441 Special Procedures in Echocardiography
3 cr. Undergraduate.
Indications, utility, limitations and technical procedures related to transesophageal echocardiography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 450 Vascular Sonography I
3 cr. Undergraduate.
Anatomy, physiology, pathology, and pathophysiology of the peripheral vascular subset of the cardiovascular system as it relates to sonography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 451 Vascular Sonography II
3 cr. Undergraduate.
Anatomy, physiology, pathology, and pathophysiology of the cerebrovascular subset of the cardiovascular system as it relates to sonography.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 452 Sonography Clinical Education IV
3 cr. Undergraduate.
Clinical practicum including abdominal and OB/GYN imaging, and vascular technology.
Prerequisites: sr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 453 Seminar in OB/GYN Sonography
3 cr. Undergraduate.
The role of ultrasound in assisting with treatment as it relates to women’s reproductive health and prenatal care.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 454 Introduction to Fetal Echocardiography
3 cr. Undergraduate.
Echocardiographic examination of the fetal heart including normal anatomy and congenital heart disease.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Spring 2019, Fall 2018, Fall 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 455 Vascular Sonography III
3 cr. Undergraduate.
Doppler principles, spectral display, hemodynamics of abdominal, transplant organ, and penile vascular techniques; vascular statistics.
Prerequisites: sr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Summer 2018, Fall 2017, Fall 2016.
Current Offerings: https://catalog.uwm.edu/course-search/
DMI 457 Sonography Clinical Education V  
4 cr. Undergraduate.  
Clinical practicum including abdominal and OB/GYN imaging, and  
vascular technology.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 458 Seminar in Advanced Medical Imaging  
3 cr. Undergraduate.  
Comparison of normal and pathological anatomy cases combining  
diagnostic medical sonography, computed sonography and magnetic  
resonance imaging.  
**Prerequisites:** junior standing in BioMedical Science program or consent  
of instructor.  
**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 460 Professional Development in Sonography - Seminar  
3 cr. Undergraduate.  
Current trends in health care and sonography. Federal regulations,  
Medicare, managed care, professional organizations, and cerfication  
exam preparation.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Summer 2019, Spring 2019, Summer 2018, Spring 2018.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 461 Sonography Clinical Education VI  
3 cr. Undergraduate.  
Clinical practicum including abdominal and OB/GYN imaging, and  
vascular technology.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Summer 2019, Summer 2018, Summer 2017, Summer 2016.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 463 Seminar in Education and Management in Medical Imaging  
3 cr. Undergraduate.  
Problem solving of management issues relating to diagnostic medical  
sonography and exploring educational strategies employed in ultrasound  
education.  
**Prerequisites:** junior standing in BioMedical Science program or consent  
of instructor.  
**Last Taught:** Spring 2019, Spring 2018, Summer 2017, Spring 2017.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 464 Introduction to Neurosonography  
3 cr. Undergraduate.  
Anatomy, physiology, pathology, pathophysiology and the sonographic  
appearance of the normal and abnormal fetal and neonatal brain.  
**Prerequisites:** jr st in BioMed Sci prog or cons instr.  
**Last Taught:** Summer 2019, Spring 2019, Summer 2018, Spring 2018.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 470 Radiographic Physics  
2 cr. Undergraduate.  
Atomic and subatomic theories, electrical theory, interaction of x-rays  
with matter, production of radiation, equipment maintenance, x-ray  
circuits, tubes, and cooling charts.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Fall 2018, Fall 2017, Fall 2016, Fall 2015.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 471 Digital Imaging  
3 cr. Undergraduate.  
Radiographic qualities and factors influencing those qualities. Principles  
of fluoroscopy, AEC, tomography, and other accessory equipment.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Spring 2019, Fall 2018, Spring 2018, Fall 2017.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 473 Imaging Procedures IV  
2 cr. Undergraduate.  
Skull positioning advanced skills, special procedures, and supplementary  
imaging modalities.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Fall 2018, Fall 2017, Fall 2016, Fall 2015.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 474 Radiography Clinical Education IV  
3 cr. Undergraduate.  
Students to rotate through all aspects of the radiologic science field.  
A total of 65 competencies must be achieved in two years of clinical  
education.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Fall 2018, Fall 2017, Fall 2016, Fall 2015.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 475 Seminar in Radiography III  
2 cr. Undergraduate.  
Current concepts in radiologic technology.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 477 Cross Sectional Anatomy  
3 cr. Undergraduate.  
Structure and physiology of the human body as it appears in cross  
section. Diagrams, CT, and MRI images are utilized.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Spring 2019, Fall 2018, Spring 2018, Fall 2017.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 478 Radiologic Pathology  
3 cr. Undergraduate.  
Changes that occur in disease and injury and their applications to  
radiography.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Spring 2019, Fall 2018, Spring 2018, Fall 2017.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 479 Radiography Clinical Education V  
3 cr. Undergraduate.  
Students rotate through all aspects of the radiologic science field. A  
total of 65 competencies must be achieved in two years of clinical  
education.  
**Prerequisites:** sr st in BioMed Sci prog or cons instr.  
**Last Taught:** Spring 2019, Spring 2018, Spring 2017, Spring 2016.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)

DMI 480 Seminar in Radiography IV  
2 cr. Undergraduate.  
Current concepts in radiologic technology.  
**Prerequisites:** sr st in BioMed Sci prog or consent of instructor.  
**Current Offerings:** [https://catalog.uwm.edu/course-search/](https://catalog.uwm.edu/course-search/)
DMI 482 Radiography Clinical Internship I
6 cr. Undergraduate.
600 hours of clinical experience. The student will begin surgical and evening rotations.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 483 Radiography Clinical Internship II
3 cr. Undergraduate.
Rotations through the Emergency Department, diagnostic area outpatient and orthopedic clinics, CT, MRI, and interventional radiology.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Last Taught: Fall 2018, Fall 2017, Fall 2016, Fall 2015.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 484 Radiography Clinical Internship IV
1 cr. Undergraduate.
70 hours of clinical practice. Opportunity to rotate through any area of interest in a variety of imaging modalities.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 485 Professional Development in Radiography
2 cr. Undergraduate.
Federal regulations and legislation as they relate to the health care profession and radiology. Preparation for the certification exam.
Prerequisites: sr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 486 Radiography Clinical Education VI
4 cr. Undergraduate.
Students rotate through all aspects of the radiologic science field. A total of 65 competencies must be achieved in two years of clinical education.
Prerequisites: sr st in BioMed Sci prog or cons instr.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 489 Radiography Clinical Internship III
4 cr. Undergraduate.
400 hours of clinical practice. Opportunity to rotate through any area of interest in a variety of imaging modalities.
Prerequisites: jr st in BioMed Sci prog or cons instr.
Course Rules: Counts as repeat of BMS 590 with similar topic.
Current Offerings: https://catalog.uwm.edu/course-search/

DMI 496 Professional Growth and Career Advancement in Diagnostic Imaging Professions
3 cr. Undergraduate.
Exploration and discussion of volunteerism and leadership in professional associations, professional advocacy, emerging trends in certification, re-certification and career pathways related to career advancement.
Prerequisites: admis to BMS major; or cons instr.
Course Rules: Counts as repeat of BMS 590 w/ same topic.
Last Taught: Fall 2017.
Current Offerings: https://catalog.uwm.edu/course-search/