Course Description:

The course is a detailed study of normal and pathological superficial structures as related to scanning techniques, patient history, and laboratory data, transducer selection, and scanning protocols. Prerequisites: DMSO 1405.

Text, References and Supplies:


Suggested:


Student Learning Outcomes:

Upon successful completion of the course the student will demonstrate competency in the sonographic evaluation of superficial structures imaged with ultrasound, including image production, interpretation, examination protocols, anatomy, pathophysiology and accessory testing. The following organs and structures will be included:

1. Thyroid, parathyroid, salivary glands and neck
2. Breast
3. Scrotum and penis
4. Prostate
5. Non-cardiac chest, abdominal wall and hernias
6. Infant hips and spine
7. Musculoskeletal system
8. Deep vein thrombosis, pseudo-aneurysm and dialysis access graphs
9. Ultrasound guided invasive procedures

Student Contributions, Responsibilities and Class Policies:

Attendance is essential to the student’s success and is outlined in the Midland College Catalog and Student Handbook, as well as, the Diagnostic Medical Sonography Student Handbook. Since the summer course has only 6 classes, one missed class will equate to -20% from your attendance grade. The student is expected to participate in class discussions. Reading assignments are also important.
and should be completed prior to lectures for each unit. Material from reading which is not covered in class may appear on tests. Missed exams will be accepted with the loss of one (1) letter grade per scheduled class day that it is late. More than two weeks will not be accepted. Workbook questions can be submitted at any time, but must be submitted by due date (-10% deducted per each day late) if absent, then fax or submit on the day they are due or beforehand. Quizzes must also be submitted on the due date. Late = 0. Keep in mind that you have two weeks to finish each topic which includes the quiz and workbook questions. Alternate exams and/or exam format may be substituted. Failure to comply with all components of this course will result in a failing grade.

Evaluation of Students:

Final grade will be a criterion-referenced standard percentage, not curved, composed as follows: 30% from the unit exam, 10% from quizzes, 10% from journal articles, 10% from workbook questions, 10% from attendance and 30% from the final examination.

1. The unit quizzes consist of approximately 20-50 questions. Each exam consists of a random sample of the material presented on canvas and prior to the exam date. Multiple formats will be used. These quizzes can be taken at any time on the blackboard.

2. There will be one unit exam consisting of approximately 50-100 questions. It will cover all material presented on canvas or class up to that point. It will be a multiple choice format.

3. The final exam will consist of 100-150 multiple choice questions and will be similar to the format utilized by the registry. The exam will be constructed of a random sample of all the material presented during the semester.

4. In the event that an exam is missed, it is the student’s responsibility to arrange for the make-up exam within one week. The student may also expect an alternate method of testing for the make-up exam. If an exam is not made up, the student will receive a zero for that exam, and the grades will be averaged accordingly.

5. Class assignments will consist of journal article presentations, case studies, papers and worksheets.

6. All components of this course must be completed to receive a final grade. Failure to complete the components will result in an F as a grade.

Course Schedule:

This class will meet three hours per week.

Americans with Disabilities Act (ADA):

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact Shep Grinnan as soon as possible. Mr. Grinnan’s office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.

Division Information: Health Sciences

Division Dean: Carmen Edwards, DNP, MSN, RN, 209 DFHS Building, 432-686-4822
Interim Program Chair: Brandi Havner, RDMS, BAAS, 108 DFHS Building, 432-685-5572

Last Updated 12/19/2016