



Clinical Experience II

DMS223

Spring 2020

Number of Credits: 6

Office: Online

Days Class Meets: 32 hours/week

Contact Phone: 517 917-4815

Meeting Times: TBD

Contact Email: geiersbstephenm@jccmi.edu

Location: Clinical Site

Office Hours:

Instructors: Stephen Geiersbach MS, RT(R), RDMS Online

Dana Everett BAS, RDMS

Brittani McDaniels BAS, RDMS

Course Description

This course includes supervised clinical experience in an approved clinical education center, advanced scanning techniques to demonstrate cross-sectional anatomy and pathology of specific and non-specific disease and traumatic changes. Specific attention is given to fetal development, fetal anomalies, abnormal pre-natal and maternal conditions as they relate to sonographic scanning and interpreting of images. Although the student is still under the supervision of a RDMS professional, the student is expected to perform sonographic procedures independently as a regular portion of this course. The completion of professional and technical scanning proficiencies are required.

Prerequisite(s)

DMS122 DMS-200

Course Goals

This course is the first of three clinical experience courses where students will apply classroom learning to real-world experiences.

Course Objectives

1. Student will learn the names of fellow workers in ultrasound, radiography, CT, MRI, and nuclear medicine, including the radiologists

2. Student will learn the emergency code system and protocols and procedures to respond appropriately to any emergency situation. This includes becoming aware of where the Crash Cart is located.
3. Student will learn the storage locations for linens and supplies utilized within the sonography lab. Students will become knowledgeable of methods for disposing of dirty linens and supplies.
4. Student will establish a working knowledge of where other relevant departments are located with their clinical education center. ie, central supply, clinical laboratory, radiology, CT, MRI, etc.
5. Student will learn individual departmental policies and procedures, ie phone etiquette, scheduling protocols, exam preparations, image processing, filing system, sterile procedures, patient history acquisition, scan protocols.
6. Student will demonstrate and practice appropriate body mechanics for safe execution of sonography exams and ergonomically preventive of musculoskeletal injuries. Students should become familiar with the SDMS's Musculoskeletal Injury Survey. This can be located via SDMS website under "workzone" MSI Survey.
<http://www.sdms.org/msi/default.asp>
7. Students will be introduced to knobology of departmental equipment, students will begin using test phantoms (if available) to understand individual instrument knobs and controls, and will experiment with technique settings when equipment is not in diagnostic use.
8. Student will observe clinical instructor (CI) or staff sonographer's scanning of patients whenever possible.
9. Student will keep a log of all exams observed, pre or post scanned by student and of all exams performed by student. Notations to whether observed, pre or post scanned or independently scanned must be made on log sheets.
10. Student will assist the staff in as many ways as possible, including if necessary transporting of patients, processing of images, restocking of supplies and linens, and disposal of used linens and or supplies.
11. Student will recognize simple sectional anatomy of the human abdomen and pelvis
12. Student will practice and demonstrate proper verbal, non-verbal, and written communication skills.
13. Student will learn proper interpretations of sonography requisitions.
14. Student will practice and demonstrate appropriate patient positioning including AP, PA, Supine, oblique, upright, and lateral positions.
15. Student will recognize, practice and demonstrate appropriate scan planes as sagittal, transverse and coronal planes.
16. Student will recognize, practice and demonstrate appropriate transducer orientations for sagittal, transverse, and coronal planes.
17. Students will become orientated to image documentation instruments as a camera, laser printer and or VCR.
18. Students will become familiar with and be able to utilize alphanumeric keyboards to sonography systems within their clinical education center.
19. Students will begin scanning all abdominal studies.
20. Students will become familiar with and begin recognizing appropriate sonographic image technique settings as proper penetration, gray scale levels, and display controls.
21. Students should begin to differentiate cystic, solid, and complex structures.
22. Students will differentiate acoustic enhancement and acoustic shadow artifacts.
23. It is expected that students are observing, pre or post scanning or scanning with assistance for most of their cases at this point in the program.

Textbook

Curry, R.A., Tempkin, B.B., Ultrasonography: an Introduction to Normal Structure and Functional Anatomy fourth Edition, ISBN-13: 9780323322843, ISBN-10: 0323322840 W.B Saunders Co. 2015, Philadelphia, PA.

Etext available:

https://www.amazon.com/Sonography-Introduction-Normal-Structure-Function/dp/0323322840/ref=pd_cp_14_1?encoding=UTF8&psc=1&refRID=WW5CYMYHVEYWYG9AVBGT

Text Book Zero! *This text is available in a digital format. Please see the links posted on our class Jet Net site. This text is available to rent or purchase in digital format through the JC Bookstore.*

Textbook Zero Sample language to paste after textbook:

- **Text Book Zero.** This text is available in a digital format. Please see the links posted on our class Jet Net site. This text is available to rent or purchase in digital format through the JC Bookstore.
- **Open Educational Resources (OERs)** are strongly encouraged. If no textbooks are *required*, a disclaimer to the effect that students will not have to purchase books for the course:
- **This course uses OER!** *Optional* resources are available in electronic format as a direct download from the publisher and/or the JetNet shell.

Follett Access

- Please [review the cost of your required materials](#) to determine the best option for you to purchase your materials.
- For more information on the Follett ACCESS Program, you can view the [view the frequently asked questions](#).

If after reviewing the costs, you choose to opt out, you may do so here: www.jccmi.edu/optout. Please note your opt out selection is for your entire semester schedule. You cannot opt out and opt in to individual courses. And you must opt out by the due date for your first class.

If you have questions about materials, please contact the Jackson College Follett bookstore at jackson@bkstr.com. For account billing questions, please contact the Jackson College Cashier at jccashier@jccmi.edu.

Grading Procedure

2 Virtual Case Presentations	50 pts. each	100
1 Midterm Evaluation	250	250
Clinical and Virtual Case Discussion Participation	50	50
Weekly Sonosim Assignments		250
Final Clinical Eval	250	250
Total Points Possible		1000

Grading Scale

GPA	GRADE RANGE
4.0	95-100%
3.5	90-94%
3.0	85-89%
2.5	80-84%
2.0	75-79%
1.5	70-74%
1.0	65-69%
0.5	60-64%
0.0	0-59%

Failure

Any circumstances under which a student could be dismissed from or failed in the course that is not covered in other college publications. In pass/fail courses, a listing of minimal competencies.

Academic Honesty Policy

Academic Honesty is defined as ethical behavior that includes student production of their own work and not representing others' work as their own, by cheating or by helping others to do so.

Plagiarism is defined as the failure to give credit for the use of material from outside sources.

Plagiarism includes but is not limited to:

- Submitting other's work as your own
- Using data, illustrations, pictures, quotations, or paraphrases from other sources without adequate documentation
- Reusing significant, identical or nearly identical portions of one's own prior work without acknowledging that one is doing so or without citing this original work (self-plagiarism)

Cheating is defined as obtaining answers/material from an outside source without authorization.

Cheating includes, but is not limited to:

- Plagiarizing in any form
- Using notes/books/electronic material without authorization
- Copying
- Submitting others' work as your own or submitting your work for others
- Altering graded work
- Falsifying data
- Exhibiting other behaviors generally considered unethical
- Allowing your work to be submitted by others

Accessibility

Jackson College understands that cultivating a broadly diverse community is crucial to our educational mission and to our foundational commitment to leadership and service. Jackson College is fully committed to ensuring our courses are accessible to everyone including those with disabilities. We are currently working to increase accessibility and usability of our course materials in order to meet or exceed the requirements of Section 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1991 and Web Content Accessibility Guidelines (WCAG) 2.0. For more information about Jackson College's efforts to ensure accessibility please visit the [Jackson College accessibility web page](#).

If you have an accessibility need in any of our classes please e-mail the Center for Student Success at JCCSS@jccmi.edu or visit the [Center for Student Success web page](#).

At the Center for Student Success (CSS), we are committed to providing all students the opportunity to achieve academic success by providing a variety of support services free of charge to Jackson College students. This includes, but is not limited to, peer and faculty tutoring, mental health referral, temporary assistance with transportation, various workshops/seminars, and the TRIO program.

In addition, the CSS staff is committed to adapting the College's general services to meet the individual needs of otherwise qualified students with disabilities, for the purpose of providing equal access to all programs and facilities.

Course Management

Ways that students can manage their enrollment in a course for special circumstances. Includes withdrawal, and audit and incomplete grading procedures.

Makeup Policy

All assessments are available on day one of the course until the due date. Students are expected to plan accordingly and not wait until the last possible moment to take tests.

Help

It is important to contact a Center for Student Success professional prior to the start of the semester in order to receive accommodations in a timely manner. While we will make every effort to coordinate accommodations in a timely manner, failure to self-identify prior to the start of the semester may delay notification to instructors and timeliness of acquiring accommodations. Accommodations do not automatically carry over to the next semester.

<https://www.jccmi.edu/center-for-student-success/accommodations-for-students-with-disabilities/>

Calendar

Assessment	Due Date
VCP 1	June 4th
Midterm Evaluation	June 18th
VCP 2	July 9th
Final Evaluation	August 6th
Clinical and Virtual Case Discussion Participation	

Important Dates:

Spring 2021 Academic Calendar

Event	Dates	Notes
COURSE DATES		
REGISTRATION BEGINS FOR ALL STUDENTS <i>New students must contact Admissions at 517.796.8425 prior to registering for classes.</i>	Feb. 24, 2021	
Semester Dates	May 10 – Aug. 9, 2021	

OTHER DATES		
Memorial Day Holiday	May 29 – 31, 2021	No classes
Independence Day Holiday	July 3 – 5, 2021	No classes

Student Responsibilities

Course expectations reflect performance objectives and include the following: Each student will be evaluated on the following:

1. **32 hours attendance per week within an approved clinical education center documented through the Attendance sheet.**
 - a. This attendance sheet must be filled out by the student and approved by your Clinical instructor

2. **Virtual case presentations & discussions**
 - a. Each student will be required to turn in 2 Virtual case presentations
 - b. Failure to turn in an acceptable VCP will result in an incomplete in this course and dismissal from the program.
 - c. Virtual Case Presentation #1 is **due June 4th**
 - d. Virtual Case Presentation #2 is **due July 9th**

3. **Completion of the Clinical Evaluation form at midterm and final.**
 - a. Midterm Evaluation is **due June 18th.**
 - b. Final Evaluation is **due August 6th.**
 - i. Clinical Evaluation forms are the students responsibility.
 - ii. They must be submitted to the CI 2 weeks prior to due date.
 - iii. The latest version can be found online under course materials.
 - iv. Failure to meet any of the minimum standards of this evaluation will result in a failure in clinical and the student will be dismissed from the program

4. **Completion of a clinical log is due at the end of this course.**
 - a. The clinical log is **after all clinical hours are completed.**

5. **Each student will be required to post 1 monthly goal and a weekly update in addition to managing virtual case presentation discussions boards.**

Students must read the entire course syllabus carefully. If students have any questions regarding course requirements they should inquire early in the course. Students should make note of evaluation due dates.

Students will be supplied their own Personal Clinical Attendance Excel reporting form by the instructor.

Clinical attendance **must** be submitted via Personal Clinical Attendance Reporting form at **the end of the semester**. Time cards or other attendance reporting will **NOT** be accepted, NO EXCEPTIONS please. Attendance reporting is the **responsibility of each student** and **not the responsibility of the clinical instructor, clinical coordinators or the program director**. **They must be signed by the clinical instructor a copy must be submitted at the end of the semester at which time they must be FAXED to 517 768 7004 or electronically copies and emailed to the program Director. Clinical coordinators do not accept attendance forms.**

Remember, failure to submit clinical documents on time is grounds for immediate dismissal from the program. These documents are required for accreditation and grade submission, which is tied to financial aid, scholarships, and grant disbursements.

On or **before** May 5th I will need you to submit an electronic copy of your final evaluation. I will also need an electronic copy of your attendance sheet to date, it does not have to be signed by your Clinical instructor. I will need these absolutely by May 5th at the latest! I will submit final grades once I have all your submissions.

You will continue in clinical until May 19th. After May 19th, you should make electronic copies of all of your clinical documents including your midterm evaluation, final evaluation, attendance sheet (to date) and your entire clinical log book and logbook total sheet. Once you have secured electronic copies for yourself, you will mail the original copies, per accreditation requirement, of your midterm evaluation, final evaluation and clinical log book, logbook total sheet and a copy of the attendance sheet to the address below:

Stephen M. Geiersbach MS, RT(R), RDMS
Allied Health Department
Program Director, Diagnostic Medical Sonography
2111 Emmons Rd.
Jackson, MI 49201

Attendance Policy

Each student will be required to complete 32 hours of clinical experience per week within an approved clinical education center documented through the Attendance sheet.

Enter hours worked for each day (do not include any time spent for breaks) for example if you work 8 hours, take ½ hour for lunch and two 15 minute breaks you submit 7.0 hours, not 7.5. If you work 8.5 hours, take ½ hour lunch and two 15 minute breaks you submit 7.5 hours. This is not a rule set by the instructor but by the Mich. Dept. of Education. Hours must be rounded to the nearest 15 minutes. e.g, DO NOT REPORT 8 HOURS 6 MINUTES, this would be reported as strictly 8 hours

Students cannot expect to build up excessive hours in an attempt to complete their clinical requirements early. Students should remember that CIs and CEC sonography departments provide students a great deal of time and attention early in their clinical experience. **Students should not attempt to complete the program clinical course requirements earlier than scheduled. NO MORE THAN 16 HOURS CAN BE BANKED TOWARDS THE NEXT SEMESTER.**

Students must wear a name badge at all times. These are typically supplied by the CEC.

Students must contact their CI if expected to be tardy or absent ASAP.

Planned absences require the absence request form to be completed and submitted prior to the absence. These forms can be found within the course website under Course Documents or in the DMS Handbook.

Clinical Evaluation forms take time to complete. Do NOT wait until the last day of the semester to submit these. Please provide a copy of the clinical evaluation to your CI 2 weeks in advance.

Students are expected to be present on time and prepared to scan on each clinical day. It is presumed by the facilitator that assignments, including reading, will have been completed on time and the student is thus ready to attempt new exams according to the Syllabus. It is highly suggested by the instructor that students utilize as many references as possible to enhance their learning and understanding.

In compliance with Federal Title IV funding requirements, as well as college initiatives, I will be monitoring student participation on a regular basis and officially reporting student activity throughout the term to assure compliance with college policy and federal regulations. It is imperative that you log in to the course and actively participate *within the first couple days of the term* to validate your enrollment in the course. After that, not actively participating in class may result in you being withdrawn from the course. Being withdrawn from a course can have an impact on financial aid, billing, athletic eligibility, and housing status. As a college student you are responsible for how your participation impacts your academic progress; the accountability lies with you.

Caveat

Students should be advised that some revisions during the course might be necessary due to school closing policies, facilitator illness or injury, or any other improbable interruptions of the course.

Students must have a minimum 2.0 in this course to continue in the DMS program.