



## INSTRUCTIONAL PACKAGE

DMS 112

OB/GYN Sonography I

201810

Fall 2018

# INSTRUCTIONAL PACKAGE

## Part I: Course Information

Effective Term: 201810

COURSE PREFIX: DMS 112

COURSE TITLE: OB/GYN SONOGRAPHY I

CONTACT HOURS: 5

CREDIT HOURS: 3

### **RATIONALE FOR THE COURSE:**

DMS 112 is a study of gravid and non-gravid pelvic anatomy of the female pelvis along with basic ultrasound scanning techniques for OB/GYN ultrasound. You will also learn scanning criteria, standardization and quality scanning techniques for OB/GYN ultrasound exams, while learning the normal anatomy of the pelvis.

### **COURSE DESCRIPTION:**

This course is a study of the sonographic imaging methods of the female pelvis, the fetus and the gravid uterus, emphasizing anatomy, physiology, pathology, and embryology.

**PREREQUISITES/CO-REQUISITES:** Acceptance into Diagnostic Medical Sonography program

### **REQUIRED MATERIALS:**

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

[BOOKSTORE](#).

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

### **TECHNICAL REQUIREMENTS:**

Access to Desire2Learn (D2L), HGTC's student portal for course materials.  
WaveNet and D2L email access.

### **CLASSROOM ETIQUETTE:**

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate.

**NETIQUETTE:** is the term commonly used to refer to conventions adopted by Internet users on the web, mailing lists, public forums, and in live chat focused on online communications etiquette. For more information regarding Netiquette expectations for distance learning courses, please visit [Online Netiquette](#).

**COURSE LEARNING OUTCOMES and ASSESSMENTS\*:**

- Distinguish various organ locations
- Demonstrate gynecologic physiology
- Distinguish gynecologic gross anatomy
- Recognize the gynecologic vasculature
- Describe the sonographic appearance and applications for gynecologic ultrasound studies
- Identify the normal and abnormal variants'
- Demonstrate maternal physiology and maternal development
- Investigate all aspects of prenatal development
- Describe the development and growth of the placenta
- Differentiate development and growth of fetal membranes
- Distinguish development and growth of amniotic fluid
- Describe the sonographic appearance and applications for Obstetrical ultrasound studies
- List the various ways to Sonographically determine gestational age
- Examine various high risk obstetric Sonography and multiple gestations
- Describe fetal sonographic biophysical profile
- Explain uses for Doppler ultrasound evaluation
- Recognize details of conducting gynecological and obstetrical ultrasound guided procedures
- Execute a gynecologic ultrasound examination.
- Examine aspects of medical ethics as related to the field of ultrasound.

**Module #1****Materials Covered:** The Normal Female Pelvis

\*Chapters 21 - Curry Tempkin Textbook

\*Chapter 41,42 - Hagen Ansert Textbook

**\*Assessment(s):** Complete Workbook activity  
Unit Test**Learning Outcomes:**

- Distinguish various organ locations
- Demonstrate gynecologic physiology
- Distinguish gynecologic gross anatomy
- Recognize the gynecologic vasculature
- Describe the sonographic appearance and applications for gynecologic ultrasound studies
- Identify the normal and abnormal variants'
- Demonstrate maternal physiology and maternal development

**Module #2****Materials Covered:** The Normal 1<sup>st</sup> Trimester

\*Chapter 22 - Curry Tempkin Textbook

\*Chapter 47, 49 - Hagen Ansert Textbook

**\*Assessment(s):** Complete Workbook activity  
Unit Test**Learning Outcomes:**

- Investigate all aspects of prenatal development
- Describe the development and growth of the placenta
- Differentiate development and growth of fetal membranes
- Distinguish development and growth of amniotic fluid
- Describe the sonographic appearance and applications for Obstetrical ultrasound studies
- List the various ways to Sonographically determine gestational age
- Explain uses for Doppler ultrasound evaluation
- Recognize details of conducting gynecological and obstetrical ultrasound guided procedures

**Module #3****Materials Covered:** The Normal 2<sup>nd</sup> and 3<sup>rd</sup> Trimesters

\*Chapter 23 - Curry Tempkin Textbook

\*Chapter 51, 52, 53 - Hagen Ansert Textbook

**\*Assessment(s):** Complete Workbook activity  
Unit Tests**Learning Outcomes:**

- Investigate all aspects of prenatal development
- Describe the development and growth of the placenta
- Differentiate development and growth of fetal membranes
- Distinguish development and growth of amniotic fluid
- Describe the sonographic appearance and applications for Obstetrical ultrasound studies
- List the various ways to Sonographically determine gestational age
- Examine various high risk obstetric Sonography and multiple gestations
- Describe fetal sonographic biophysical profile
- Explain uses for Doppler ultrasound evaluation
- Recognize details of conducting gynecological and obstetrical ultrasound guided procedures

**Module #4****Materials Covered:** Abnormal Pregnancy

\*Chapter 24 - Curry Tempkin Textbook

\*Chapter 51, 54, 55 - Hagen Ansert Textbook

**\*Assessment(s):** Complete Workbook activity  
Unit Test**Learning Outcomes:**

- Describe the sonographic appearance and applications for Obstetrical ultrasound studies
- Examine various high risk obstetric Sonography and multiple gestations
- Describe fetal sonographic biophysical profile
- Explain uses for Doppler ultrasound evaluation
- Recognize details of conducting gynecological and obstetrical ultrasound guided procedures
- Explore pertinent medical ethics related topics for ultrasound field and obstetrics.

**Capstone Project****Learning Outcomes:**

- Execute a gynecologic ultrasound examination

**\*Assessments:** Pelvic scanning proficiency

***\*Students – please refer to the Instructor’s Course Information sheet for specific information on assessments and due dates.***

**Part III: Grading and Assessment****EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS\***

Students’ performance will be assessed and the weight associated with the various measures/artifacts are listed below.

## EVALUATION\*

Tests	40%
Scanning Proficiencies	20%
Assignments	20%
Final Exam	20%
	100%

***\*Students, for the specific number and type of evaluations, please refer to the Instructor's Course Information Sheet.***

## GRADING SYSTEM:

92 – 100	A
83 – 91	B
74– 82	C
65 – 73	D
64 and below	F

PLEASE NOTE: This is a major area course and requires a grade of 74% or better in order to progress to the following semester.

Academic Integrity: Students are expected to be forthright and honest in their academic endeavors. Any form of academic dishonesty will be dealt with according to the HGTC's and the Medical Imaging Sciences program policies on academic dishonesty.

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Incomplete is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the academic calendar for deadlines for add/drop ([ACADEMIC CALENDAR](#)). You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

## Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of eighty percent (80%) of his or her classes in order to be eligible to receive credit for any course. However, due to the varied nature of courses taught at the College, a more rigid attendance policy may be required by individual instructors.



At a minimum, a student may be withdrawn from a course(s) after he or she has been absent in excess of ten percent (10%) of the total contact hours for a course. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

**For online and hybrid courses**, check your Instructor's Course Information Sheet for any required on-site meeting times. Please note, instructors may require tests to be taken at approved testing sites, if you use a testing center other than those provided by HGTC, the center may charge a fee for its services.

## Part V: Student Resources

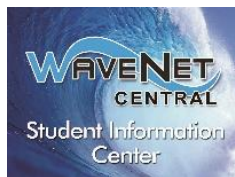


### The Student Success and Tutoring Center (SSTC)

The SSTC offers to all students the following **free** resources:

1. **Academic coaches** for most subject areas, **Writing Center Support**, and **college success skills**.
2. **On-line student success and academic support resources**.

Visit the SSTC website: [Student Success & Tutoring Center](#) and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455. Room locations and Live Chat is available on the SSTC website.



### Student Information Center: WaveNet Central (WNC)

WNC offers to all students the following **free** resources:

1. **Getting around HGTC**: General information and guidance for enrollment!
2. Use the [Online Resource Center \(ORC\)](#) for COMPASS support, technology education, and online tools.
3. **Drop-in technology support or scheduled training** in the Center or in class.
4. **In-person workshops, online tutorials and more services** are available.

Visit the WNC website: [Wavenet Central](#). Live Chat and Center locations are posted on the website. Or please call one of the following locations: WNC Conway, 349-5182; WNC Grand Strand, 477-2076; and WNC Georgetown, 520-1473.

## **Student Testing:**

Testing in an **online/hybrid** course may be accomplished in a variety of ways:

- Test administered within D2L
- Test administered in writing on paper
- Test administered through Publisher Platforms

Further more tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through RPNOW, our online proctoring service. To find out more about proctoring services, please visit the [Online Testing](#) section of the HGTC's Testing Center webpage.

The **Instructor Information Sheet** will have more details on test requirements for your course.

## **Disability Services:**

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Jocelyn Williams, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

## **Statement of Equal Opportunity/Non-Discrimination Statement**

Horry Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, gender, national or ethnic origin, age, religion, disability, marital status, veteran status, sexual orientation, gender identity, or pregnancy in educational programs and/or activities.

### ***Title IX Requirements***

Horry Georgetown Technical College prohibits the offenses of domestic violence, dating violence, sexual assault, and stalking. Any student who believe he or she has experienced or witnessed discrimination including sexual harassment, domestic violence, dating violence, sexual assault or stalking is encouraged to report such incidents to one of the College's Title IX Coordinators.

\*Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

<b>Inquiries regarding the non-discrimination policies:</b>	
Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Associate Vice President for Student Affairs.	Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Associate Vice President for Human Resources.
<b>Dr. Melissa Batten, AVP Student Affairs</b> <i>Title IX Coordinator</i> Building 1100, Room 107A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5228 <a href="mailto:Melissa.Batten@hgtc.edu">Melissa.Batten@hgtc.edu</a>	<b>Jacquelyne Snyder, AVP Human Resources</b> <i>Section 504, Title II, and Title IX Coordinator</i> Building 200, Room 212A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5212 <a href="mailto:Jacquelyne.Snyder@hgtc.edu">Jacquelyne.Snyder@hgtc.edu</a>