

El Paso Community College

Syllabus

Part II

Official Course Description

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|---------------------------------|--|------|---|------|---------|-----|-----|
| SUBJECT AREA | <u>Diagnostic Medical Sonography</u> | | | | | | |
| COURSE RUBRIC AND NUMBER | <u>DMSO 2366</u> | | | | | | |
| COURSE TITLE | <u>Practicum-(or Field Experience) – Diagnostic Medical Sonography/Sonographer and Ultrasound Technician III</u> | | | | | | |
| COURSE CREDIT HOURS | <table style="width: 100%; border-collapse: collapse; margin: 0;"> <tr> <td style="text-align: center; width: 33%;">3</td> <td style="text-align: center; width: 33%;">0</td> <td style="text-align: center; width: 33%;">: 30</td> </tr> <tr> <td style="text-align: center;">Credits</td> <td style="text-align: center;">Lec</td> <td style="text-align: center;">Lab</td> </tr> </table> | 3 | 0 | : 30 | Credits | Lec | Lab |
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I. Catalog Description

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. A grade of "C" or better is required in this course to take the next course.

Prerequisite: DMSO 2367. (0:30). Professional Practice Insurance required.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Unit I. Obstetrics and Gynecologic Scanning
 1. Identify patient identity.
 2. Perform examinations in the areas of Obstetrics and Gynecology throughout this semester. Performance evaluations will be administered to assure that scanning skills, techniques, anatomy, pathology, clinical data, terms and concepts associated with the OB/GYN areas are retained from the previous semesters.
 3. Follow PACS protocol.

- B. Unit II. Abdominal Scanning
 1. Identify patient identity.
 2. Perform examinations in the area of Abdominal Sonography in an effort to hone previously learned skills. Performance evaluations will be administered to assure that scanning skills, techniques, anatomy, pathology, clinical data, terms and concepts associated with the Abdominal Sonography are retained from the previous semester.
 3. Follow PACS protocol.

- C. Unit III. Neonatal Neurosonology
 1. Identify patient identity.
 2. Select the proper transducer for the examination to be performed.
 3. Utilize correct anatomical landmarks and scanning references when performing and labeling a study.
 4. Demonstrate the area of interest by utilizing correct scanning planes and paths.
 5. Adjust gain controls for optimum display.
 6. Perform views of the neonatal head in both sagittal and coronal planes.
 7. Perform the examination using the correct scan planes and scans paths.
 8. Identify the anatomy demonstrated on a neonatal head examination.
 9. Identify pathological conditions commonly demonstrated on this type of procedure.
 10. Evaluate and identify other clinical data which could be useful in the diagnoses of a neonate's condition.

11. Describe conditions that cause portable examinations in the Intensive care Unit to be more difficult than exams performed in the department.
 12. Follow PACS protocol.
- D. Unit IV. Thyroid, Testicle, and Breast Scanning
1. Identify patient identity.
 2. Select the proper transducer for the examination to be performed.
 3. Utilize correct anatomical landmarks and scanning references when performing and labeling a study.
 4. Demonstrate the area of interest by utilizing correct scanning planes and paths.
 5. Adjust gain controls for optimum display.
 6. Perform the examination utilizing patient positioning sponges, stand-off pads, towels, etc., as necessary.
 7. Perform the examination using the correct scan planes and scan paths.
 8. Perform the examination minimizing patient exposure, thus enabling the patient to keep his/her modesty.
 9. Identify the anatomy demonstrated during thyroid, testicle and breast ultrasound examinations.
 10. Identify pathological processes demonstrated during thyroid, testicle or breast ultrasound examinations.
 11. Describe clinical data and laboratory values that are pertinent to thyroid, testicle and breast ultrasound examination.
 12. Follow PACS protocol.
- E. Unit V. Invasive Procedures
1. Identify patient Identity.
 2. Gather exam supplies.
 3. Select the proper transducer for the examination to be performed.
 4. Utilize correct anatomical landmarks and scanning references when performing and labeling a study.
 5. Demonstrate the area of interest by utilizing correct scanning planes and paths.
 6. Adjust gain controls for optimum display.
 7. Demonstrate knowledge of medical asepsis, and sterile field techniques.
 8. Perform the examination using the correct scan planes and scan paths.
 9. Locate the area to be aspirated and assist the physician by providing information as to size and location of the fluid area.
 10. Locate the area to be biopsied and assist the physician by providing information as to size and location of the questionable area.
 11. Perform amniocentesis procedures.
 12. Set-up the necessary instruments, utilizing sterile technique, for aspiration, biopsy, or amniocentesis procedures in the ultrasound suite.
 13. Follow PACS protocol.

III. THECB Learning Outcomes (WECM)

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

IV. Evaluation

- A. Evaluation Methods:
1. Monthly Hospital Performance Evaluation – This evaluation will be completed by hospital personnel. Either the clinical instructor or the supervising staff technologist,

under the supervision of the clinical instructor, will complete this evaluation on a monthly basis.

2. Hospital Performance Evaluation By College Instructors - This evaluation will be completed by the EPCC DMSO Program Instructors.
3. Bi-Weekly Clinical Evaluations – A minimum of seven (7) clinical performance evaluations will be conducted on a bi-weekly basis by college instructors. Evaluations will determine if the student has obtained the skills necessary to perform Obstetric and Gynecologic Ultrasound examinations.
4. Final Evaluation – A written exam will be administered during the last two (2) weeks of the semester in the areas of Obstetrics, Gynecology and Abdominal anatomy, terms and concepts.

B. Grading Scale:

100 – 96 = A
 95 – 91 = B
 90 – 86 = C
 85 – 81 = D
 80 – 0 = F

No **grade of less** than “C” will be considered as successful completion of a professionally related course. **Grades of .5 or higher** will be rounded of the next whole number grade.

C. Final Grade Determination

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|-----------------------------------|---------------------------|
| Bi-Weekly Performance Evaluations | 50% of final grade |
| Instructor/Hospital Evaluation | 30% of final grade |
| Final Evaluation | <u>20%</u> of final grade |
| | 100% |

D. Remediation

Failure to achieve a minimum competency of 85% on bi-weekly evaluations will result in re-evaluation, using the same examination. Failure in the re-evaluation will result in the student being recycled to the college laboratory for additional practice and remedial study. Following remediation, the student will be re-evaluated in the clinic on the examination. Failure in this examination will result in failure of the course.

E. Attendance

1. All students are required to sign an attendance sheet in the Clinic. Failure to do so will indicate an unexcused absence.
2. During this semester, no absent days are allotted all absences or partial absences must be made up.
3. If a student is absent on an assigned clinical day, that student is REQUIRED to call both the clinical instructor and the instructor of record at least (30) thirty minutes before the student is scheduled to be present. Failure to do so will indicate an UNEXCUSED ABSENCE.
4. Three (3) UNEXCUSED absences from the clinic will be cause for dismissal from the DMSO Program.
5. If a student, due to time limitations, is unable to complete the required number of hours for that semester, that student will be given an incomplete (I) until the time is made up. If the time is not made up, the incomplete will change to a grade of “F”.
6. Students are required to remain AT the clinical site during the entire assigned period (with the exception of lunches). In the event that all cases have been completed, the student is encouraged to study within the department or the HOSPITAL LIBRARY. Students not in their assigned area will be given a written counseling statement. An

accumulation of two (2) counseling statements within the 13 month program period will result in student dismissal.

F. Tardiness

1. Students are expected to report to their assigned areas on time. Tardiness will not be tolerated.
2. Excessive or continued tardiness may be cause for dismissal from the DMSO Program.
3. The amount of time that the student is late must be made up the same day.

G. Guidelines for Patient-Student Safety

Students who fail to abide by the “Guidelines for Patient and Student Safety” will be suspended from the clinic for a period of time to be determined by the Program Coordinator. (See attachment “Guidelines for Patient and Student Safety”)

H. Name Tags and El Paso Community College Patches

Name tags and El Paso Community College patches must be worn by students in the clinics at all times.

I. T.B. Tine Test

Evidence of an updated T.B. Tine test must be submitted to a DMSO Instructor for placement in the student’s file no later than one (1) week after the beginning of the semester. Failure to do so will result in that student’s suspension from the clinical facility until the above requirement is met. All hours missed must be made up before the end of the semester.

J. Clinical Affiliation Dress Code

Students who are not in compliance with the “Clinical Affiliation Dress Code” will be placed on clinical probation for a time to be determined by the DMSO Program Coordinator. (See attached Clinical Affiliation Dress Code”)

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VII. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic

violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.