



PARAMEDICINE
EMSP 2140 – Advanced Cardiovascular Concepts
Hybrid Course Syllabus
Spring Semester 2021

COURSE INFORMATION

MyBradyLab: jones39374

Credit Hours/Minutes: 4/3750

Campus/Class Location: Health Science Annex West - Room 111

Class Meets: **22% Hybrid / 78% Face-to-Face:** One to two days per week from 9:00-5:00pm

Course Reference Number (CRN): 40132

Preferred Method of Contact: The preferred method of contact for the instructor is by office phone. If there is no answer, please call the cell phone number provided below.

INSTRUCTOR CONTACT INFORMATION

Instructor Name: Jim Jones

Email Address: [Jim Jones \(jjones@southeasterntech.edu\)](mailto:jjones@southeasterntech.edu)

Office Location: Health Science Annex West Room 109

Office Hours: By appointment (Due to shift friendly schedule)

Phone: 912-538-3218 (office) 912-293-5161 (cell)

Fax Number: 912-538-3259

Tutoring Hours (if applicable): By Appointment

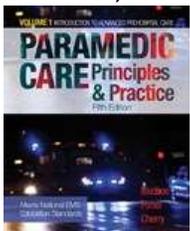
This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.

SOUTHEASTERN TECHNICAL COLLEGE (STC) CATALOG AND HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

REQUIRED TEXT

Paramedic Care: Principles & Practice, Introduction to Paramedicine, 4th Edition, by Bryan E. Bledsoe, Robert S. Porter, Richard A. Cherry, Publish Date: February 2, 2012 by Prentice Hall. ISBN-10: 0-13-211208-6.



REQUIRED SUPPLIES & SOFTWARE

Note: Although students can use their smart phones and tablets to access their online course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

Students should not share login credentials with others and should change passwords periodically to maintain security.

COURSE DESCRIPTION

This course equips the paramedicine student with an expanded knowledge of the anatomy, physiology, and electrophysiology of the cardiovascular system. Students will also examine the epidemiology of cardiovascular disease, and will begin to integrate advanced assessment skills (including ECG interpretation) into the assessment of cardiac patients. Topics include: Anatomy, Physiology, and Electrophysiology of the Cardiovascular System; Epidemiology of Cardiovascular Disease; Assessment of the Cardiac Patient; Electrocardiographic (ECG) interpretation.

MAJOR COURSE COMPETENCIES

1. Anatomy, Physiology, Electrophysiology of the Cardiovascular System
2. Epidemiology of Cardiovascular Disease
3. Assessment of the Cardiac Patient
4. Electrocardiographic (ECG) Interpretation

PREREQUISITE(S)

Program Admission

COURSE OUTLINE

Anatomy, Physiology, and Electrophysiology of the Cardiovascular System

| Order | Description | Learning Domain | Level of Learning |
|-------|---|-----------------|-------------------|
| 1 | Characterize the anatomy and physiology of the cardiovascular system. | Cognitive | Analysis |
| 2 | Illustrate the electrophysiology of the heart. | Cognitive | Analysis |
| 3 | Appreciate the anatomy, physiology, and electrophysiology of the cardiovascular system. | Affective | Characterization |

Epidemiology of Cardiovascular Disease

| Order | Description | Learning Domain | Level of Learning |
|-------|---|-----------------|-------------------|
| 1 | Examine the epidemiology of cardiovascular disease. | Cognitive | Analysis |

Assessment of the Cardiac Patient

| Order | Description | Learning Domain | Level of Learning |
|-------|---|-----------------|-------------------|
| 1 | Initiate the assessment of a patient experiencing a cardiac related emergency. | Cognitive | Synthesis |
| 2 | Implement the assessment of a patient experiencing a cardiac related emergency. | Psychomotor | Mechanism |

| Order | Description | Learning Domain | Level of Learning |
|-------|--|-----------------|-------------------|
| 3 | Appreciate the need for a proper assessment of a patient experiencing a cardiac related emergency. | Affective | Characterization |

Electrocardiographic (ECG) Interpretation

| Order | Description | Learning Domain | Level of Learning |
|-------|--|-----------------|-------------------|
| 1 | Characterize the principles of ECG monitoring and interpretation. | Cognitive | Analysis |
| 2 | Correlate the electrophysiological and hemodynamic events occurring throughout the entire cardiac cycle with the various ECG wave forms, segments and intervals. | Cognitive | Analysis |
| 3 | Interpret various cardiac rhythms. | Cognitive | Evaluation |
| 4 | Evaluate various 12 lead ECGs. | Cognitive | Evaluation |
| 5 | Integrate electrocardiographic monitoring and interpretation (including 12 lead ECGs) into the assessment of patients experiencing a cardiac related emergency. | Psychomotor | Complex Response |
| 6 | Promote the utilization of electrocardiographic monitoring and interpretation (including 12 lead ECGs) into the assessment of patients experiencing a cardiac related emergency. | Affective | Characterization |

GENERAL EDUCATION CORE COMPETENCIES

STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

STUDENT REQUIREMENTS (HYBRID)

Students are expected to complete all work shown on the attached assignment sheet. Students are also expected to complete all tests and comprehensive problems on the dates specified on the attached calendar. Students are responsible for policies and procedures included in the STC Catalog and Handbook.

Paramedicine program students must earn a minimum grade of C in this course to advance to EMSP 2140.

COVID-19 MASK REQUIREMENT

Masks or face coverings must be worn at all times while on the campus of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

COVID-19 SIGNS AND SYMPTOMS

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come

on campus for any reason.

| COVID-19 Key Symptoms |
|--|
| Fever or felt feverish |
| Cough: new or worsening, not attributed to another health condition |
| Shortness of breath, not attributed to another health condition |
| New loss of taste or smell |
| Chills; Repeated shaking with chills |
| Sore throat, not attributed to another health condition |
| Muscle pain, not attributed to another health condition or exercise |
| Headache, not attributed to another health condition |
| Diarrhea (unless due to known cause) |
| In the past 14 days, if you: |
| Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s). |

COVID-19 SELF-REPORTING REQUIREMENT

Students, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using the [COVID 19 Health Reporting Form](#). Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](#), Exposure Control Coordinator, swaters@southeasterntech.edu, 912-538-3195.

HYBRID ATTENDANCE

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0-59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. All work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time (90%) may be dropped from the course as stated below in the Withdrawal Procedure.

Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course.

For this class, which meets 6 days a week for 4 weeks, the maximum number of days a student may miss is 1

day during the semester.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: [Macy Gay mgay@southeasterntech.edu](mailto:MacyGay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210.

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:HelenThomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

SPECIFIC ABSENCES

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements the appropriate campus coordinator.

Swainsboro Campus: [Macy Gay mgay@southeasterntech.edu](mailto:MacyGay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210.

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:HelenThomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Students who are dropped from courses due to attendance after drop/add until the 65% point of the semester will receive a "W" for the course.

Important – Student-initiated withdrawals are not allowed after the 65% point. Only instructors can drop students after the 65% point for violating the attendance procedure of the course. Students who are dropped from courses due to attendance after the 65% point will receive either a "WP" (Withdrawn Passing) or "WF" (Withdrawn Failing) for the semester.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC...)

If a student misses a test, a grade of zero will be assigned. Only students with extenuating circumstances (who contact the instructor on or before the day of the test regarding their absence) will be allowed to take a makeup test, which will replace the zero. Extenuating circumstances are determined at the instructor's discretion. Unless otherwise scheduled with the instructor, it is expected that the test will be taken prior to the next class, and will be scheduled outside of regular class time. Failure to follow this procedure will result in a grade of zero.

Assignment due dates are listed on the attached lesson schedule and in MyBradyLab. Students are expected to have the assignment completed when it is due. It is within the instructor's discretion to accept or reject late assignments. Any late assignments accepted will be subject to a ten point penalty each day the assignment is late. After three class meetings, no late assignments will be accepted; a zero will be recorded.

Unannounced quizzes are subject to be given on any day. A grade of zero will be assigned for any quizzes missed. There will be no makeup of quizzes.

Any zeros recorded will be included in the final score calculation.

Students must have a 70% or above average on all EMSP 2140 chapter exams to be eligible to sit for the EMSP 2140 final exam. Any student not having a 70% average will not be allowed to take the EMSP 2140 final exam and will not be allowed to advance to EMSP 2310.

ACADEMIC DISHONESTY POLICY

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

1. First Offense

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

2. Second Offense

Student is given a grade of "WF" (withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

3. Third Offense

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or

citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

| | |
|---|--|
| <p>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</p> | <p>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</p> |
| <p>Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu</p> | <p>Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas ljonas@southeasterntech.edu</p> |

ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’s website.

ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College's Website](http://www.southeasterntech.edu) (www.southeasterntech.edu).

TECHNICAL COLLEGE SYSTEM OF GEORIGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State

Technical College at no charge for instructional costs to either the student or the employer.

GRADING POLICY

| Assessment/Assignment | Percentage |
|------------------------------|-------------------|
| Chapter Exams | 50 % |
| Homework Assignments/Quizzes | 10 % |
| Affective Learning | 5 % |
| Final Exam | 35 % |
| Total | 100% |

GRADING SCALE

| Letter Grade | Range |
|---------------------|--------------|
| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | 0-59 |

(All Practical competencies must be passed to complete the course.)

EMSP 2140 CRN# 40132

Spring Semester 2021 - Lesson Plan

| Date/Week | Chapter/Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|-----------------------|-----------------------------------|--|---|--------------------|
| | Cardiac Drug Cards | Hybrid: Cardiac related Pharmacology (Due) See the handout for instructions. | Hybrid: Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for the following: Chapter 2 – Volume 3 Pages 49-75 This assignment must be completed by 11:59pm March 29, 2021 | |
| Tuesday March 30 | Chapter2 Volume 3 | In Class: Chapter 2 Volume 3 Pages 49-75 Cardiovascular Anatomy and Physiology, ECG Monitoring, and Arrhythmia Analysis | Chapter 2v3, Pages 49-75 EXAM due by 11:59pm on 4/5/21 via MyBradyLab . Hybrid: Review Chapter 2 volume 3 Pages 49-75 and review "MyBradyLab" assignment Complete the ECG Practice test, due by 11:59pm on April 7, 2021 | 1,2,4 a,b,c |
| Thursday April 8 | Chapter 2 Volume 3 | In Class: ECG Review | Hybrid: Complete the ECG Practice test, due by 9:00am on April 14, 2021 | |
| Wednesday April 14 | Chapter 2 Volume 3 | ECG Review | Hybrid: Read Chapter 2 volume 3 Pages 111-156 and Complete the "MyBradyLab" assignments. Must be completed by 11:59pm April 19, 2021 | 1,2,4 a,b,c |
| Tuesday April 20 | Chapter 2 Volume 3 | In Class: Chapter 2 Volume 3 Pages 111-156 Assessment and Management of the Cardiovascular Patient | Chapter 2v3, Part 2 EXAM due by 11:59pm on 4/25/21 via MyBradyLab . Hybrid: Review Chapter 2 volume 3 Pages 111-156 and review the "MyBradyLab" assignment. | 1,2,3,4 a,b,c |

| Date/Week | Chapter/Lesson | Content | Assignments & Tests Due Dates | Competency Area |
|----------------------|-------------------------------|---|---|----------------------------|
| Monday April 26 | Chapter 2 Volume 3 | In Class: Cardiovascular Lab | EMSP 2140 FINAL ECG EXAM will be administered at the end of the next class | 1,2,3,4 a,b,c |
| Thursday April 29 | Chapter 2 Volume 3 | In Class: Cardiovascular Lab EMSP 2140 FINAL ECG EXAM | EMSP 2140 Final Written | 1,2,3,4 a,b,c |

COMPETENCY AREAS:

1. Anatomy, Physiology, Electrophysiology of the Cardiovascular System
2. Epidemiology of Cardiovascular Disease
3. Assessment of the Cardiac Patient
4. Electrocardiographic (ECG) Interpretation

GENERAL CORE EDUCATIONAL COMPETENCIES

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.