



PARAMEDICINE
EMSP 2140 – Advanced Cardiovascular Concepts
COURSE SYLLABUS
HYBRID
Spring Semester 2018

COURSE INFORMATION

Credit Hours/Minutes: 4/3750

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): 40296

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

Office Location: Health Science Annex West Room 109

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

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

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

Fax Number: 912-538-3259

Tutoring Hours: By Appointment

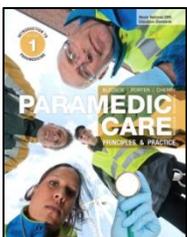
This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.

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.

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
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.

AFFECTIVE LEARNING EVALUATION

The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Paramedicine students will be evaluated weekly to identify and correct deficits in affective learning. Students will be evaluated in up to 11 areas of affective behavior. A score will be entered into the grade book to reflect the affective behaviors exhibited during each week of the semester. See the scoring rubric included on the Affective Learning Evaluation form.

ATTENDANCE GUIDELINES

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 also 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.

ADDITIONAL ATTENDANCE PROVISIONS

Health Sciences

Requirements for instructional hours within Health Science and Cosmetology programs reflect the rules of respective licensure boards and/or accrediting agencies. Therefore, these programs have stringent attendance policies. Each program's attendance policy is published in the program's handbook and/or syllabus which specify the number of allowable absences. All provisions for required make-up work in the classroom or clinical experiences are 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. Time and/or 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.

HYBRID ATTENDANCE

STC's attendance procedure is followed for all hybrid classes along with the following addition. 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. STC's attendance policy located in the STC Catalog and Handbook must be followed in all hybrid classes. For the scheduled class sessions, attendance is counted from the first scheduled class meeting of each semester. Three (3) tardies or early departures equal one (1) absence for the course(s) involved. In order for a student to receive credit for a course, a student must attend at least 90% of the scheduled instructional time.

Students must attend the scheduled campus class each week and complete the online assignments. The maximum number of absences a student may miss for this class is one (2).

SPECIAL NEEDS

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, to coordinate reasonable accommodations.

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 advise me and make appropriate arrangements with [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, to coordinate reasonable accommodations.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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 when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

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

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 and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, 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 school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the Americans with Disabilities Act (ADA).

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

American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer	Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 st Street, Vidalia Office 108 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 st Street, Vidalia Office 138B Phone: 912-538-3147 Email: Blythe Wilcox bwilcox@southeasterntech.edu

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 [STC website](http://www.southeasterntech.edu/) (<http://www.southeasterntech.edu/>).

TECHNICAL COLLEGE SYSTEM OF GEORGIA (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	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# 40296
Spring Semester 2018 - 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 April 9, 2018	
Tuesday April 10	Chapter 2 Volume 3	In Class: Chapter 2 Volume 3 Pages 49-75 Cardiovascular Anatomy and Physiology, ECG Monitoring, and Arrhythmia Analysis	Hybrid: Review Chapter 2 volume 3 Pages 52-75 and review "MyBradyLab" assignment	1,2,4 a,b,c
Monday April 16	Chapter 2 Volume 3	In Class: Chapter 2 Volume 3 Pages 49-75 EXAM will be administered at the beginning of this class ECG Review	Hybrid: Read Chapter 2 volume 3 Pages 111-156 and. Complete the "MyBradyLab" assignments. Must be completed by 11:59pm April 18, 2018	1,2,4 a,b,c
Thursday April 19	Chapter 2 Volume 3	In Class: Chapter 2 Volume 3 Pages 111-156 Assessment and Management of the Cardiovascular Patient Chapter 2 Volume 3 Pages 111-156 EXAM will be administered at the end of this class	Hybrid: Review Chapter 2 volume 3 Pages 111-156 and review the "MyBradyLab" assignment.	1,2,3,4 a,b,c
Wednesday April 25	Chapter 2 Volume 3	In Class: Cardiovascular Lab	EMSP 2140 FINAL EXAM will be administered at the end of the next class	1,2,3,4 a,b,c
Tuesday May 1	Chapter 2 Volume 3	In Class: Cardiovascular Lab EMSP 2140 FINAL EXAM will be administered at the end of this class		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.