



**PARAMEDICINE**  
**EMSP 2310 – Therapeutic Modalities of Cardiovascular Care**  
**COURSE SYLLABUS**  
**HYBRID**  
**Summer Semester 2018**

**COURSE INFORMATION**

Credit Hours/Minutes: 3/3000

**Campus:** Health Science Annex West **Class Location:** Room 111

Class Meets: **30% Hybrid / 70% Face-to-Face:** One to two days per week from 9:00-5:00pm

Course Reference Number (CRN): 60223

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

Health Science Annex West/**Office Location:** 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

Pencils, 3-ring binder, Paper, computer and internet access.

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 will enable the student to integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient experiencing a medical emergency. Topics include: Cardiovascular Emergencies and Advanced Cardiovascular Life Support

## MAJOR COURSE COMPETENCIES

1. Cardiovascular Emergencies
2. Advanced Cardiac Life Support

## PREREQUISITE(S)

Program Admission

## COURSE OUTLINE

### Cardiovascular Emergencies

Order	Description	Learning Domain	Level of Learning
1	Integrate the anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of the following: acute coronary syndrome (including angina pectoris and myocardial infarction); heart failure; non-traumatic cardiac tamponade; hypertensive emergencies; cardiogenic shock; vascular disorders (including abdominal aortic aneurysm, arterial occlusion and venous thrombosis); aortic aneurysm/dissection; thromboembolism; and cardiac rhythm disturbances.	Cognitive	Synthesis
2	Articulate the anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of the following: infectious diseases of the heart (including endocarditis and pericarditis); and congenital abnormalities.	Cognitive	Application
3	Implement an appropriate assessment and management for various patients experiencing cardiac related emergencies.	Psychomotor	Mechanism
4	Appreciate the need to perform and implement an appropriate assessment and management plan for various patients experiencing cardiac related emergencies.	Affective	Characterization

## Advanced Cardiovascular Life Support (ACLS)

Order	Description	Learning Domain	Level of Learning
1	Integrate a comprehensive knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states.	Cognitive	Synthesis
2	Integrate a comprehensive knowledge of the causes and pathophysiology into the management of shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest.	Cognitive	Synthesis
3	Prioritize the assessment and management of various patients in cardiac arrest and/or peri-arrest states.	Psychomotor	Origination
4	Prioritize the assessment and management of various patients experiencing shock and/or respiratory failure/arrest with an emphasis on early intervention to prevent arrest.	Psychomotor	Origination
5	Establish certification in Advanced Cardiovascular Life Support consistent with the current American Heart Association guidelines for Emergency Cardiovascular Care.	Psychomotor	Guided Response
6	Motivate other resuscitation team members to properly perform appropriate basic and advanced cardiac life support techniques consistent with the current American Heart Association guidelines for Emergency Cardiovascular Care.	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. **Paramedicine program students must earn a minimum grade of C in this course to advance to EMSP 2320.**

Students, who are more than 15 minutes late on exam dates, will not be allowed to take the exam once the exam has started. These students must schedule a time to make up the exam or a zero will be given for the exam. This time will be other than normal class hours, must be prior to the next class, and will be at the instructor's convenience. If the student is less than 15 minutes late, and the exam has started, the student may begin the exam, but he/she must turn in their exam at the end of the allotted exam time, whether finished or not. Example: Exam begins at 9:05am -- 50 minutes are allotted for the exam -- ALL exams must be turned in by 9:55am.

## **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.

## **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 5 DAYS FOR THE SUMMER SEMESTER, THE MAXIMUM NUMBER OF DAYS A STUDENT MAY MISS FOR EMSP 2310 IS 1 DAY.**

## **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 2310 chapter exams to be eligible to sit for the EMSP 2310 final exam. Any student not having a 70% average will not be allowed to take the EMSP 2130 final exam and will not be allowed to advance to EMSP 2320.

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" (Withdraw 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:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:Helen.Thomas@southeasterntech.edu">Helen.Thomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:Lanie.Jonas@southeasterntech.edu">Lanie.Jonas@southeasterntech.edu</a>

### 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 STCs 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 2310 CRN# 60223

### Summer Semester 2018 - Lesson Plan

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Wednesday May 16	<b>Chapter 2 Volume 3</b>	<b>In Class:</b> <ul style="list-style-type: none"> <li>ECG Review</li> </ul>	<b>HYBRID:</b> Review all work covered in EMSP 2140.  Complete the assignment "Mega Code"	*1 **a,b,c
Tuesday May 22	<b>Chapter 2 Volume 3</b>	<b>In Class:</b> <ul style="list-style-type: none"> <li>Defibrillation, Synchronized Cardioversion, Transcutaneous Pacing</li> <li>Classroom review of Electrotherapy followed by Lab practice.</li> </ul>	<b>HYBRID:</b> Electrotherapy evaluation next class. Written and Practical Read Chapter 2v3 Part 3 Pages 157 - 191	*1 **a,b,c
Thursday May 31	<b>Chapter 2 Volume 3</b>	<b>In Class: 12-lead ECG</b>	<b>HYBRID:</b> Complete the 12-lead analysis assignment prior to the next class.	*1 & 2 **a,b,c
Wednesday June 6	<b>Chapter 2 Volume 3</b>	<b>In Class:</b> <ul style="list-style-type: none"> <li>Putting it all together</li> </ul>		*1 & 2 **a,b,c
Tuesday June 12	<b>Chapter 2 Volume 3</b>	<b>In Class:</b> <ul style="list-style-type: none"> <li>Putting it all together</li> </ul>		*1 & 2 **a,b,c

#### COMPETENCY AREAS:

1. Cardiovascular Emergencies
2. Advanced Cardiac Life Support

#### 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.