



**PARAMEDICINE**  
**EMSP 2120 – Applications of Pathophysiology for Paramedics**  
**COURSE SYLLABUS**  
**HYBRID**  
**Spring Semester 2017**

<b>Semester:</b> Spring 2017 <b>Course Title:</b> Applications of Pathophysiology for Paramedics <b>Course Number:</b> EMSP 2120 <b>Credit Hours/ Minutes:</b> 3 / 2250 <b>Class Location:</b> Room 111 HSAW Bldg. <b>Class Meets:</b> <b>25% Hybrid / 75% Face-to-Face:</b> One to two days per week from 9:00-5:00pm (See lesson plan for dates) <b>CRN:</b> 40246	<b>Instructor:</b> Jim Jones <b>Office Hours:</b> Monday - Thursday 7:00am – 8:30am Monday - Thursday 5:00pm - 6:00pm <b>Office Location:</b> Room 109 HSAW Building <b>Email Address:</b> jjones@southeasterntech.edu <b>Phone:</b> 912-538-3218 (office) 912-293-5161 (cell / text) <b>Fax Number:</b> 912-538-3106 <b>Tutoring Hours:</b> By Appointment
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**The preferred method of contact for the instructor is by office phone. If there is no answer, please call or text the cell phone number provided above.**

**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.**

**REQUIRED TEXT:**

Paramedic Care: Principles & Practice, Volume 2:  
Introduction to Paramedicine, 4th Edition  
By Bryan E. Bledsoe, Robert S. Porter, Richard A. Cherry  
Pub. Date: Feb 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 the online portion of their course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor 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 complete the online portion of the course.

**COURSE DESCRIPTION:** This course expands the concepts of pathophysiology as it correlates to disease processes. This course will enable the student to apply the general concepts of pathophysiology to the assessment and management of patients in the emergency setting.

**MAJOR COURSE COMPETENCIES:**

Pathophysiology

**PREREQUISITE(S):** Program Admission

# COURSE OUTLINE

## Pathophysiology

Order	Description	Learning Domain	Level of Learning
1	Integrate comprehensive knowledge of pathophysiology of major human systems.	Cognitive	Synthesis
2	Articulate basic cellular review; alterations in cells and tissues; and the cellular environment.	Cognitive	Application
3	Correlate genetics and familial diseases.	Cognitive	Analysis
4	Characterize hypoperfusion including: pathogenesis; types of shock; Multiple Organ Dysfunction Syndrome (MODS); and cellular metabolism impairment.	Cognitive	Analysis
5	Characterize self-defense mechanisms; inflammation; and variances in immunity/inflammation.	Cognitive	Analysis
6	Correlate stress and disease.	Cognitive	Analysis
7	Appreciate the need for the paramedic to have a comprehensive knowledge of the pathophysiology of major human systems.	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 2130.**

Students, who are more than 15 minutes late on exam days, 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, however 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:** EMS Professions 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 in the program handbook.

**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 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.

## **ADDITIONAL ATTENDANCE PROVISIONS**

### ***Health Sciences***

Requirements for instructional hours within Health Science programs reflect the rules of respective licensure boards and/or accrediting agencies. Therefore, these programs have stringent attendance policies. The Paramedicine 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 Student 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.

**HYBRID ATTENDANCE ADDENDUM:** This class meets six class sessions. 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 (1).

**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, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), 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, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu).

**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" 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**, 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. Students are expected to have the assignment completed at the beginning of class on the date that 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.

**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states *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 *STC Catalog and Student Handbook*.

### **Procedure for Academic Misconduct**

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

#### **--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.

#### **--Second Offense--**

Student is given a grade of "WF" 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.

**--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 second 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 American with Disabilities Act (ADA).

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

<b>ADA/Section 504 - Equity- Title IX (Students) - OCR Compliance Officer</b>	<b>Title VI - Title IX (Employees) - EEOC Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3147 <a href="mailto:bwilcox@southeasterntech.edu">bwilcox@southeasterntech.edu</a>

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC'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 at [www.southeasterntech.edu](http://www.southeasterntech.edu).

**GRADING POLICY**

Exams	50%
Assignments/Quizzes	20%
Affective Learning (Work Ethics)	5%
Final Exam	<u>25%</u> 100%
Practical Exercises - Pass/Fail	

**GRADING**

<b>SCALE</b>
A: 90-100
B: 80-89
C: 70-79
D: 60-69
F: 0-59

**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.*

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

**Course Number: EMSP 2120 CRN# 40246**  
**Spring Semester 2017**  
**Lesson Plan**

*WHITE background areas identify work to be completed in the classroom.*

**Approx. time to complete.  
(in minutes)**

**GREEN background areas identify  
work to be completed online.**

**ONLINE Assignment**

Date	Chapter / Lesson	Content	Assignments	Competency Area
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Read and complete the Pre-test, Homework, and Post-test for the following:

Chapter 1 - Volume 2 Parts 1 & 2

*MyBradyLab assignments are due by 2/7/2017 @ 11:59pm*

**180  
minutes**

**Read the chapter and complete the Pre-test, Homework, and Post-test for the following Chapter 1 - Volume 2 Parts 1 & 2**  
Must be completed by 11:59pm on 2/7/2017

\*1  
\*\*a,b,c

**WEEK FIVE**

Wednesday Feb. 8	<b>Chapter 1v2</b>	<ul style="list-style-type: none"> <li>• <b>Part 1</b> <ul style="list-style-type: none"> <li>○ Disease</li> </ul> </li> <li>• <b>Part 2</b> <ul style="list-style-type: none"> <li>○ Diseases at the Chemical Level</li> </ul> </li> </ul>	<p>Read and complete the Pre-test, Homework, and Post-test for the following:</p> <p>Chapter 1 - Volume 2 Parts 3 &amp; 4</p> <p style="color: red; font-weight: bold;"><i>MyBradyLab assignments are due by 2/13/2017 11:59pm</i></p> <p style="color: green; font-weight: bold;"><i>Chapter 1 - Volume 2 Parts 1 &amp; 2 Exam next class</i></p>	*1 **a,b,c
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**180  
minutes**

**Read the chapter and complete the Pre-test, Homework, and Post-test for the following Chapter 1 - Volume 2 Parts 3 & 4**  
Must be completed by 11:59pm on 2/13/2017

\*1  
\*\*a,b,c

## WEEK SIX PART A

Tuesday Feb 14	Chapter 1v2	<p><i>Exam - Chapter 1 - Volume 2 Parts 1 &amp; 2</i></p> <ul style="list-style-type: none"> <li>• <b>Part 3</b> <ul style="list-style-type: none"> <li>○ Disease at the Cellular level</li> </ul> </li> <li>• <b>Part 4</b> <ul style="list-style-type: none"> <li>○ Diseases at the Tissue Level</li> </ul> </li> </ul>	<p>Read and complete the Pre-test, Homework, and Post-test for the following:</p> <p>Chapter 1 - Volume 2 Part 5</p> <p style="color: red;"><i>MyBradyLab assignments are due by 2/16/2017 @ 11:59pm</i></p> <p style="color: green;"><i>Chapter 1 - Volume 2 Parts 3 &amp; 4 Exam next class</i></p>	*1 **a,b,c
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**105 minutes**

**Read the chapter and complete the Pre-test, Homework, and Post-test for the following Chapter 1 - Volume 2 Part 5**  
Must be completed by 11:59pm on 2/16/2017

\*1  
\*\*a,b,c

## WEEK SIX PART B

Friday. Feb. 17	Chapter 1v2	<p><i>Exam - Chapter 1 - Volume 2 Parts 3 &amp; 4</i></p> <ul style="list-style-type: none"> <li>• <b>Part 5</b> <ul style="list-style-type: none"> <li>○ Disease at the Organ Level</li> </ul> </li> </ul>	<p>Read and complete the Pre-test, Homework, and Post-test for the following:</p> <p>Chapter 1 - Volume 2 Part 6</p> <p style="color: red;"><i>MyBradyLab assignments are due by 2/19/2017 @ 11:59pm</i></p> <p style="color: green;"><i>Chapter 1 - Volume 2 Part 5 Exam next class</i></p>	*1 **a,b,c
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**105 minutes**

**Read the chapter and complete the Pre-test, Homework, and Post-test for the following Chapter 1 - Volume 2 Part 6**  
Must be completed by 11:59pm on 2/19/2017

\*1  
\*\*a,b,c

## WEEK SEVEN PART A

Monday Feb. 20	Chapter 1v2	<p><i>Exam - Chapter 1 - Volume 2 Part 5</i></p> <ul style="list-style-type: none"> <li>• <b>Part 6</b> <ul style="list-style-type: none"> <li>○ The Body's Defenses Against Disease and Injury</li> </ul> </li> </ul>	<p>Read and complete the Pre-test, Homework, and Post-test for the following:</p> <p>Chapter 3 - Volume 2 Part 1</p> <p style="color: red;"><i>MyBradyLab assignments are due by 3/1/2017 @ 11:59pm</i></p> <p style="color: green;"><i>Chapter 1 - Volume 2 Part 6 Exam next class</i></p>	*1 **a,b,c
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**EMSP 2130**

**Read the chapter and complete the Pre-test, Homework, and Post-test for the following Chapter 2 – Volume 2 Part 1**  
Must be completed by 11:59pm on 3/1/2017

\*1  
\*\*a,b,c



**The Chapter 1 – Volume 2 Part 6 exam and the EMSP 2120 course  
Final Exam will be administered  
at the beginning of class on Wednesday – March 1, 2017**

**Competency Area**

1. Pathophysiology

**\*\*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.