



PARAMEDICINE
EMSP 2120 – Application of Pathophysiology for Paramedics
COURSE SYLLABUS
HYBRID – jones65830
Spring Semester 2022

COURSE INFORMATION

Credit Hours/Minutes: 3/2250

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

Class Meets: **25% Hybrid / 75% Face-to-Face:** One to two days per week from 9:00-5:00pm

Course Reference Number (CRN): 40167

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: Mike Young

Email Address: [Mike Young myoung@southeasterntech.edu](mailto:myoung@southeasterntech.edu)

Campus/Office Location: Health Science Annex West Room 107

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

Phone: 912-538-1279 (office) 229-315-9483 (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: 0-13-221208-6.



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 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

PROGRAM GOAL

“To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.”

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 and Handbook.

Paramedicine program students must earn a minimum grade of C in this course to advance to EMSP 2230.

COVID-19 MASK REQUIREMENT

Regardless of vaccination status, students are highly encouraged to wear masks or face coverings while in a classroom or lab at Southeastern Technical College. Masking may be implemented in some program areas (i.e. Health Sciences and Cosmetology) where students, faculty, and clients are in close proximity and social distancing cannot be maintained. 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).

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
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)
Cough: new or worsening, not attributed to another health condition
Fatigue
Muscle or body aches
Headache
New loss of taste or smell
Sore throat (not attributed to any other health condition)
Congestion or runny nose (not attributed to any other health condition)
Nausea or vomiting
Diarrhea
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, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using <https://www.southeasterntech.edu/covid-19/>. Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](mailto:swaters@southeasterntech.edu), Exposure Control Coordinator, swaters@southeasterntech.edu, 912-538-3195.

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 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 a week for 4 weeks, the maximum number of days a student may miss is 1 days during the EMSP 2120.

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.

Students must maintain a **70%** or higher average on Chapter exams to sit for the Final exam.

Students must also maintain an **70%** or higher average on all Pretest, Homework, and Post-test assignments in order to sit for the Final Exam.

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: [Daphne Scott dscott@southeasterntech.edu](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1220.

Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@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: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1220.

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:hthomas@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.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which the student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

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.

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 2120-chapter exams to be eligible to sit for the EMSP 2120 final exam. Any student not having a 70% average or above will not be allowed to take the EMSP 2120 final exam and will not be allowed to advance to EMSP 2130.

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

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

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 165 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas ljonas@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 [Southeastern Technical College's Website \(www.southeasterntech.edu\)](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	40 %
Homework Assignments/Quizzes	15 %
Affective Learning	5 %
Final Exam	40 %
Total	100%

GRADING SCALE

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

EMSP 2120 CRN# 40167
Spring Semester 2022 - Lesson Plan

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
<p>Hybrid: Read and complete the “MyBradyLab” Pre-test, Homework, and Post-test for the following: Chapter 12 – Volume 1 Parts 1 &2. This assignment is due by 9:00 am on February 9, 2022</p>				
<p>Wednesday February 9</p>	<p>Chapter 12 Volume 1 Part 1 Part 2</p>	<p>In Class:</p> <ul style="list-style-type: none"> • Part 1 - Disease • Part 2 – Diseases at the chemical Level 	<p>Chapter 12v1, Part 1 and Part 2 EXAM due by 11:59pm on 2/15/22 via MyBradyLab .</p> <p>Hybrid: Read and complete the “MyBradyLab” Pre-test, Homework, and Post-test for the following: Chapter 12 – Volume 1 Parts 3 & 4 This assignment is due by 9:00 am on 2/15/2022</p>	<p>1 a,b,c</p>
<p>Tuesday February 15</p>	<p>Chapter 12 Volume 1 Part 3 Part 4</p>	<p>In Class:</p> <ul style="list-style-type: none"> • Part 3 – Disease at the Cellular Level • Part 4 – Diseases at the Tissue Level 	<p>Chapter 12v1, Part 3 and Part 4 EXAM due by 11:59pm on 2/21/22 via MyBradyLab .</p> <p>Hybrid: Read and complete the “MyBradyLab” Pre-test, Homework, and Post-test for the following: Chapter 12–Volume 1 Part 5 This assignment is due by 9:00 am February 21, 2022</p>	<p>1 a,b,c</p>
<p>Monday February 21</p>	<p>Chapter 12 Volume 1 Part 5</p>	<p>In Class:</p> <ul style="list-style-type: none"> • Part 5 – Disease at the Organ Level 	<p>Chapter 12v1, Part 5 EXAM due by 11:59pm on 2/24/22 via MyBradyLab .</p> <p>Hybrid: Read and complete the “MyBradyLab” Pre-test, Homework, and Post-test for the following: Chapter 12–Volume 1 Part 6 This assignment is due by 9:00 am 2/24/2022</p>	<p>1 a,b,c</p>

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Thursday February 24	Chapter 12 Volume 1 Part 6	In Class: <ul style="list-style-type: none"> • Part 6 – The Body’s Defenses Against Disease and Injury 	Hybrid: Complete the Chapter 12 – Volume 1 Part 6 EXAM by 11:59 pm March 2, 2022 via MyBradyLab. EMSP 2220 Final Exam is due by 11:59pm February 28, 2022 via TestMarker.	1 a,b,c

COMPETENCY AREAS:

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.