



**Prehospital Emergency
Operations
EMSP 1510 - Advanced Concepts
for the AEMT
COURSE SYLLABUS
HYBRID
Fall Semester 2016**

<p>Semester: Fall 2016</p> <p>Course Title: Advanced Concepts for the AEMT</p> <p>Course Number: EMSP 1510</p> <p>Credit Hours/ Minutes: 3 / 3000</p> <p>Class Location: Bldg. 8 – Room 8164 - Swainsboro</p> <p>Class Meets: 30% Hybrid / 70% Face-to-Face: Mondays & Thursdays - - 5:45pm- 10:00pm</p> <p>CRN: 20321</p>	<p>Instructor: Jonathan Holland, EMTP</p> <p>Office Hours: By Appointment</p> <p>Office Location: Health Science Annex West Room 123</p> <p>Email Address: jholland@southeasterntech.edu</p> <p>Phone: 912-538-3218</p> <p>Fax Number: 912-538-3259</p> <p>Tutoring Hours: By Appointment</p>	<p>Program Director: Jim Jones, NREMT-P</p> <p>Office Hours: 8:00am - 12:00pm – T&W 2:00pm - 4:00pm – T&W</p> <p>Office Location: Health Science Annex West Room 109</p> <p>Email Address: jjones@southeasterntech.edu</p> <p>Phone: 912-538-3218</p> <p>Cell Number: 912-293-5161</p> <p>Tutoring Hours: By Appointment</p>
<p>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</p>		
<p>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.</p>		

REQUIRED TEXT: Advanced EMT: A Clinical-Reasoning Approach
By [Melissa R. Alexander](#), [Richard Belle](#)
Pub. Date: Sep 10, 2012 by Prentice Hall.
ISBN-10: 0-13-315444-0



REQUIRED SUPPLIES & SOFTWARE: Pencils, Black Ink Pens, 3-ring binder, paper

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 MyBradyLab, ANGEL, 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 serves as the introductory course to the advanced level practice of the Advanced Emergency Medical Technician (AEMT). It expands on the information attained at the EMT level.

MAJOR COURSE COMPETENCIES: EMS Systems; Documentation; EMS System Communication; Therapeutic Communication; Principles of Pharmacology; Medication Administration; Emergency Medications; Airway Management; Respiration; Artificial Ventilation; Primary Assessment; and Secondary Assessment.

PREREQUISITE(S): Program Admission

COURSE OUTLINE:

EMS Systems

Order	Description	Learning Domain	Level of Learning
1	Apply fundamental knowledge of the EMS system, safety/well-being of the AEMT, medical/legal and ethical issues to the provision of emergency care.	Cognitive	Application
2	Characterize quality improvement.	Cognitive	Analysis
3	Examine patient safety.	Cognitive	Analysis
4	Initiate patient safety measures.	Affective	Characterization

Documentation

Order	Description	Learning Domain	Level of Learning
1	Integrate the principles of medical documentation and report writing.	Cognitive	Synthesis
2	Display appropriate documentation consistent with State guidelines.	Affective	Responding

EMS System Communication

Order	Description	Learning Domain	Level of Learning
1	Examine the EMS communication system.	Cognitive	Analysis
2	Incorporate communication with other health care professionals.	Cognitive	Synthesis
3	Incorporate team communication and dynamics.	Cognitive	Synthesis
4	Consider appropriate professional communication techniques, including communication with other health care professionals and team communication and dynamics.	Affective	Valuing

Therapeutic Communication

Order	Description	Learning Domain	Level of Learning
1	Describe the principles of communicating with patients in a manner that achieves a positive relationship.	Cognitive	Comprehension
2	Illustrate dealing with difficult patients.	Cognitive	Comprehension
3	Consider cultural competence with respect to therapeutic communication.	Affective	Valuing

Anatomy/Physiology and Pathophysiology

Order	Description	Learning Domain	Level of Learning
1	Integrate complex knowledge of the anatomy and physiology of the airway, respiratory and circulatory systems to the practice of EMS.	Cognitive	Synthesis
2	Apply comprehensive knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.	Cognitive	Application

Public Health

Order	Description	Learning Domain	Level of Learning
1	Use simple knowledge of the principles of the role of EMS during public health emergencies.	Cognitive	Application

Principles of Pharmacology

Order	Description	Learning Domain	Level of Learning
1	Apply to patient assessment and management, fundamental knowledge of the medications carried by AEMTs that may be administered to a patient during an emergency.	Cognitive	Application
2	Implement medication safety.	Cognitive	Application
3	Interpret medication legislation.	Cognitive	Application
4	Characterize the various names of medications.	Cognitive	Analysis
5	Articulate medication classifications.	Cognitive	Application
6	Establish medication storage and security.	Cognitive	Application
7	Demonstrate knowledge of autonomic pharmacology.	Cognitive	Application
8	Articulate metabolism and excretion.	Cognitive	Application
9	Articulate mechanism of action.	Cognitive	Application
10	Demonstrate knowledge of medication response relationships.	Cognitive	Application
11	Articulate medication interactions.	Cognitive	Application
12	Articulate toxicity of medications.	Cognitive	Application
13	Integrate medication safety.	Psychomotor	Complex Response
14	Consider the need for medication safety.	Affective	Valuing
15	Apply medication classifications.	Psychomotor	Mechanism
16	Implement medication storage and security.	Psychomotor	Mechanism

Medication Administration

Order	Description	Learning Domain	Level of Learning
1	Relate the routes of administration, within the scope of practice of the AEMT.	Cognitive	Application
2	Establish all routes of administration, within the scope of practice of the AEMT.	Psychomotor	Guided Response
3	Articulate, within the scope of practice of the AEMT, the administration of medications to a patient.	Cognitive	Application
4	Demonstrate the administration of various medications to a patient, within the scope of practice of the AEMT.	Psychomotor	Guided Response

Emergency Medications

Order	Description	Learning Domain	Level of Learning
1	Characterize the: names; actions; indications; contraindications; complications; routes of administration; side effects; interactions; and dosages for the medications administered, within the scope of practice of the AEMT.	Cognitive	Analysis
2	Implement the appropriate administration, to a simulated patient, of medications within the scope of practice of the AEMT.	Psychomotor	Mechanism

Airway Management

Order	Description	Learning Domain	Level of Learning
1	Apply knowledge of additional upper airway anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.	Cognitive	Application
2	Articulate, within the scope of practice of the AEMT, the following: airway anatomy; airway assessment; and techniques of assuring a patent airway.	Cognitive	Application
3	Demonstrate, within the scope of practice of the AEMT, the following: airway assessment; and techniques of assuring a patent airway.	Psychomotor	Guided Response

Respiration

Order	Description	Learning Domain	Level of Learning
1	Recognize the anatomy of the respiratory system.	Cognitive	Analysis
2	Characterize the physiology and pathophysiology of respiration, including: pulmonary ventilation; oxygenation; and respiration (including external, internal, and cellular).	Cognitive	Analysis
3	Characterize assessment and management of adequate and inadequate respiration.	Cognitive	Analysis
4	Characterize supplemental oxygen therapy.	Cognitive	Analysis

Artificial Ventilation

Order	Description	Learning Domain	Level of Learning
1	Incorporate the assessment and management of adequate and inadequate ventilation, to include: Artificial ventilation; Minute ventilation; Alveolar ventilation; and the Effect of artificial ventilation on cardiac output.	Cognitive	Synthesis
2	Integrate the assessment and management of adequate and inadequate ventilation.	Psychomotor	Complex Response

Primary Assessment

Order	Description	Learning Domain	Level of Learning
1	Incorporate the primary assessment for all patient situations including the following: general impression; level of consciousness; ABCs; identifying life threats; and assessment of vital functions.	Cognitive	Synthesis
2	Encourage respect for patients with regard to appropriate primary assessment for various situations.	Affective	Organization
3	Initiate integration of treatments/procedures needed to preserve life.	Cognitive	Synthesis
4	Apply a primary assessment for various patient situations.	Psychomotor	Mechanism

Secondary Assessment

Order	Description	Learning Domain	Level of Learning
1	Categorize assessment of lung sounds.	Cognitive	Synthesis
2	Perform the assessment of lung sounds.	Psychomotor	Guided Response
3	Offer empathy during the secondary assessment of various patients.	Affective	Organization

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*. **EMS Professions program students must earn a minimum grade of C in this course to advance to EMSP 1540.**

Students, who are more than 15 minutes late on exam nights, 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 5:05pm -- 50 minutes are allotted for the exam -- ALL exams must be turned in by 5:55pm.

WORK ETHICS: The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class.

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.

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 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: 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, 912-538-3126, 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.

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 accessed 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.

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: Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era 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).

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.

GRADING POLICY

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

GRADING**SCALE**

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 1510 CRN 20321

Fall Semester 2016

Lesson Schedule

All Chapters indicated in this Lesson Plan will be found in the:
“Advanced EMT - A Clinical-Reasoning Approach” Textbook

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
ASSIGNMENTS

Date	Chapter / Lesson #	Content	Assignments Tests	*Competency Area
120 minutes	Read the chapter and complete the “MyBradyLab” Pre-test, Homework, and Post-test for Chapter 11 This assignment must be completed by 11:59pm on August 17, 2016			
Thurs. August 18	Chapter 11	Principles of Pharmacology	Read the chapter and complete the “MyBradyLab” Pre-test, Homework, and Post-test for Chapter 12 Chapter 11 Exam next class	1,2,3,4 a,b,c
120 minutes	Read Chapter 12 and complete the “MyBradyLab” Pre-test, Homework, and Post-test for Chapter 12 This assignment must be completed by 11:59pm on August 21, 2016			
Monday Aug. 22	Chapter 12	Chapter 11 Exam Medication Administration Intravenous Access	Review Chapter 12 Be prepared to demonstrate medication administration skills in the lab during the next class.	5 a,b,c
120 minutes	Read Chapter 13 and complete the “MyBradyLab” Pre-test, Homework, and Post-test for Chapter 13 This assignment must be completed by 11:59pm on August 24, 2016			
Thurs. Aug. 25	Chapter 12 Chapter 13	Medication Administration Intravenous Access	Review the chapter and be prepared to perform all skills included in Chapter 12 & 13 Chapter 12 & 13 Exam next class	6 a,b,c

Mon Aug. 29	Chapter 12 Chapter 13	Chapter 12 & 13 Exam Medication Administration (LAB)	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 8	6 a,b,c
120 minutes	Read Chapter 8 and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 8 This assignment must be completed by 11:59pm on August 31, 2016			
Thurs. Sept. 1	Chapter 8	Human Body Systems	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 10 Chapter 8 Exam next class	6 a,b,c
120 minutes	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 10 This assignment must be completed by 11:59pm on Sept. 7, 2016			
Thurs. Sept. 8	Chapter 10	Chapter 8 Exam Pathophysiology: Selected Impairments of Homeostasis	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 11 Chapter 10 Exam next class	6 a,b,c
120 minutes	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapters 14, 15, and 19 This assignment must be completed by 11:59pm on Sept. 14, 2016			
Thurs Sept. 15	Chapter 14 Chapter 15 Chapter 19	Chapter 10 Exam General Approach to Patient Assessment Scene Size-up and Primary Assessment History Taking, Secondary Assessment, and Reassessment	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 17 Chapter 14, 15, and 19 Exam next class	7 a,b,c
120 minutes	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 17 This assignment must be completed by 11:59pm on Sept. 18, 2016			

Mon Sept. 19	Chapter 17	Chapter 14, 15, and 19 Exam Resuscitation: Managing Shock and Cardiac Arrest	Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 16 Chapter 17 Exam Next Class	1-5 a,b,c
120 minutes	<p>Read the chapter and complete the "MyBradyLab" Pre-test, Homework, and Post-test for Chapter 16</p> <p>This assignment must be completed by 11:59pm on Sept. 21, 2016</p>			
Thurs Sept. 22	Chapter 16	Chapter 17 Exam Airway Management, Respiration, and Artificial Ventilation	Review Chapter 16 Be prepared to demonstrate airway management and ventilation skills in the lab during the next class. Chapter 16 Exam next class	1-5 a,b,c
Mon. Sept. 26	Chapter 16	Chapter 16 Exam Airway Management, Respiration, and Artificial Ventilation (LAB) EMSP 1510 Final Exam		8-12 a,b,c

COURSE COMPETENCIES:

1. EMS Systems
2. Documentation
3. EMS System Communication;
4. Therapeutic Communication
5. Principles of Pharmacology
6. Medication Administration
7. Emergency Medications
8. Airway Management
9. Respiration

10. Artificial Ventilation
11. Primary Assessment
12. Secondary Assessment.
- 13.

GENERAL EDUCATION CORE 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