

### Course Syllabus

COURSE: EMSP 2248.200 Emergency Pharmacology (2:2:1)  
SEMESTER: Fall 2014  
CLASS TIMES: Monday 08:30-12:30  
INSTRUCTOR: Brandon Turnbow, NRP, CCEMTP, NCEE  
OFFICE: Reese Center, Building 5, Room 517C  
OFFICE HOURS: Monday- Thursday 1:30-4:00 or by appointment.  
OFFICE PHONE: 806-716-4877  
E-MAIL: [bturnbow@southplainscollege.edu](mailto:bturnbow@southplainscollege.edu)  
Facebook: [www.facebook.com/spcemsprogram](http://www.facebook.com/spcemsprogram)

*"South Plains College improves each student's life."*

### GENERAL COURSE INFORMATION

#### COURSE DESCRIPTION

This course includes a detailed study of the knowledge and skills necessary to reach competence in pre-hospital pharmacology.

#### STUDENT LEARNING OUTCOMES

At the completion of the semester students will:
1. Understand the roles and responsibilities of a Paramedic within an EMS System.
2. Be able to apply the advanced concepts of development, pathophysiology, cardiology, medical emergencies, traumatic emergencies, and special populations in the assessment and management of emergency patients.
3. Be able to take a history and perform a comprehensive physical exam on any patient and communicate those findings to others.
4. Be able to communicate effectively with patients, co-workers and other health care professionals.
5. Be able to establish and/or maintain a patent airway, oxygenate, and ventilate a patient.
6. Be able to recognize and treat minor and life threatening emergencies of all natures in regards to the pre-hospital setting.

**COURSE OBJECTIVES** - Outline form ( C-1, C-5, C-6, C-7, C-8, C-9, C-12, C-13, C-14, C-18, C-20; F-1, F-2, F-5, F-7, F-8, F-9, F-11, F-12, F-13, F-16, F-17)

At the completion of this course the student will have:
<ul style="list-style-type: none"><li>• The cognitive, psychomotor, and affective competencies in the recognition and treatment of prehospital emergencies.</li></ul>
<ul style="list-style-type: none"><li>• The cognitive, psychomotor, and affective competencies of prehospital patient assessment and airway management emergencies.</li></ul>
<ul style="list-style-type: none"><li>• The cognitive, psychomotor, and affective competencies of prehospital utilization of medications in treating emergency situations.</li></ul>
<ul style="list-style-type: none"><li>• The cognitive, psychomotor and affective competencies of pre-hospital cardiac emergencies at the Paramedic entry-level.</li></ul>

## EVALUATION METHODS

Computer-based exams, written exams, written assignments, quizzes, and other projects as assigned.

## ACADEMIC INTEGRITY

It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

**Cheating** - Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in the office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of coursework. This applies to quizzes of whatever length, as well as final examinations, to daily reports and to term papers.

**Plagiarism** - Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from themes, reports or other writings of a fellow student, is guilty of plagiarism.

## VARIFICATION OF WORKPLACE COMPETENCIES

Paramedics are expected to know how to read a cardiac monitor and provide treatment based on their training.




## SCANS and FOUNDATION SKILLS

Refer also to Course Objectives. Scans and Foundation Skills attached

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## SPECIFIC COURSE INFORMATION

### TEXT AND MATERIALS

TEXTBOOK	Publisher	ISBN#
	BRADY	0-13-211217-5
		
		

## **Additional Items That Must Be Purchased Each Semester:**

FISDAP Clinical Rotation Tracking Software Access Code (\*one time purchase)

SPC Bookstore

### **ADDITIONAL CLASSROOM ITEMS**

Students should come to class prepared with pens, pencils, and a spiral notebook for taking notes or assignments in class. Students should be prepared to take notes over lecture material if they choose. Electronic devices such as laptops, tablets or audio recording devices are welcomed

### **ATTENDANCE POLICY (\*READ CAREFULLY)**

“Punctual and regular class attendance is required of all students attending South Plains College. There are no excused absences. Students are responsible for all class work covered during absences from class, even in cases in which they are able to satisfy the instructor that the absence was unavoidable.” (*South Plains College Student Guide, 2011-2012, pp.20*)

“Whenever absences become excessive and, in the instructor’s opinion, minimum course objectives cannot be met due to absences, the student should be withdrawn from the course.” (*South Plains College General Catalog, 2011-2012, pp.20*)

**Due to the importance of the emergency medical information being taught, the instructor of this course defines excessive absences as missing the 3rd class day (or having equivalent tardies) in a course section.**

**A student who meets this criteria will be administratively dropped from the course by the instructor.**

- Tardies: (Definition): arriving any time after the class has started or not returning from an approved break after class has started.
- Two tardies will be considered missing one class day and counted as such.
- Work schedule is not an excuse for missing class.
- Any exceptions to this policy must be discussed on an individual basis with the course instructor and the EMS Program Director. (i.e. – student hospitalization, immediate family member death, etc.)

### **ASSIGNMENT POLICY**

All assignments must be completed by the assigned due date. **Late and/or incomplete work will not be accepted and a grade of zero will be recorded.** Assignments, quizzes, exams, and skills that are missed due to an unexcused absence may not be made up. See the instructor for more specific information.

### **COMPUTER USAGE**

As computer technology in the field of emergency medical services continues to become more popular, computers will be used in this course for several assignments. All students have access to computers and printers on the South Plains College Reese campus. Students will be expected to utilize computers to access assignments and classroom resources. All registered students are supplied with a working email account from South Plains College. In order to take exams, students must have their user name and password.

**\*ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USER NAME AND PASSWORD.**

### **COMPUTER LAB USAGE**

The computer lab(s) on campus may be used by students during scheduled open hours or as assigned by an instructor. Printer paper will not be provided by SPC EMS department for students to print materials but students may seek assistance from faculty to request lab paper from the college if needed. Lack of computer

lab paper is not an excuse for not having homework assignments, skills lab sheets, or any other required documents. Students should come prepared for class.

## EXAMS

The majority of student 'written' exams will be administered via computer to prepare them for the National Registry exam and some exams will be handwritten which will encourage memory and mastery of the material. Students should practice proper spelling and grammar when answering a written exam.

Additionally, many exam questions will be constructed in the same manner as national registry questions, allowing students to prepare for that testing format.

- **There is only retest on the Final Exam. There are no retests for Modular Exams.**
- Students requesting a re-test must contact the instructor and schedule a time to come to the Reese campus to take the test.
- Students are required to make a 75% on the final exam or the student must re-take the course.
- A re-test on the final may be offered to the student automatically if they have a clean behavior record for the overall program, i.e.: no absences, tardies, or previously failed exams.
- If they have any of the above, they may go before a committee of the medical director, the Allied Health Chairperson, a counselor, and others to get a decision. – the committee will decide whether the student is eligible for a exam re-take or course re-take.
- The majority of exams are administered in a campus computer lab which must be reserved by the instructor in advance. Students are expected to arrive on time to exams and complete the exams within the time frame allowed.
- In the event Blackboard malfunctions you will be given a paper exam.

## GRADING POLICY

A minimum of 75% on all exams and assignments is required to receive a passing grade for that exam or assignment. Students must earn an overall grade of 75% or better for each course section to pass that section.

### Final semester grades will be based on the following:

Homework	15%
Quizzes	10%
Participation	10%
Modular Exams	30%
Final Exam	35%

Grading Scale: 90-100	A
80-89	B
75-79	C
70-74	D
69 or Below	F

## **COURSE COMPLETION CERTIFICATE**

Please refer to the most current version of the SPC EMS Program Handbook for eligibility details.

## **CASE REVIEW PROJECT**

In order to stay current with local EMS practices, students will be required to attend one regional case review and report on their findings. The grading rubric and further detail will be provided to the students at the start of this course.

## **COMMUNICATION POLICY**

- Electronic communication between instructor and students in this course will utilize the South Plains College “My SPC” and email systems. I will utilize text messaging and you may communicate with me this way also. The instructor will not initiate communication using private email accounts. Students are encouraged to check SPC email on a regular basis each week of class. Students will also have access to assignments, web-links, handouts, and other vital material which will be delivered via the classroom website. Any student having difficulty accessing the classroom website or their email should immediately contact their instructor for direction. The instructor will work with any student to ensure the student has access to a computer on campus and can obtain the needed class content that is located on the course website.

## **STUDENT CONDUCT**

- Students in this class are expected to abide by the standards of student conduct as defined in the SPC Student Guide pages 10-15.

## **BLACKBOARD**

Blackboard is an e-Education platform designed to enable educational innovations everywhere by connecting people and technology. This educational tool will be used in this course throughout the semester.

## **Platinum EMS Testing**

EMSTesting.com is the program that SPC EMS Program utilizes to prepare you for the NR exam. It delivers content that is constructed to help students prepare for their EMR, EMT, Advanced and Paramedic certifications online. Our test items start with an objective and ends with a job related task in mind. This program will give you the ability to:

- Practice for their certification exams with Computer Adaptive Testing.
- View detailed feedback and determine the likelihood of passing certification exams.
- Student Assessments that evaluate your learning style.
- Connections to your instructors and classmates.

You will sign up online at EMSTesting.com. The cost of the program is as follows:

EMT - \$30.00

Advanced EMT - \$45.00

Paramedic - \$60.00

## **FACEBOOK**

The EMS Program has a Facebook page at <https://www.facebook.com/SPCEMSprogram> In addition to the South Plains College website; this Facebook page will be used to keep students up-to-date on program activities, weather delays, South Plains College announcements and will help with program recruitment. “Liking” the South Plains College EMS Program Facebook page is not mandatory, nor is personal Facebook accounts, in order to access this page.

## **COURSE DISCLAIMER**

Working with the public in emergency situations is stressful and requires a mentally tough individual to provide medical care in the prehospital environment. This course is designed to teach students about real-world situations the EMT – Paramedic may potentially encounter in the ‘field’ while managing patient care. **In order to better prepare students for a career in the Emergency Medical Services profession, there will be times during this course where students will be exposed to training scenarios and situations that will be unpleasant to the average college student. If the student does not feel they can tolerate this type of learning environment, they should discuss this with me immediately before continuing the course.**

Brandon Turnbow, NRP, CCEMTP, NCEE

## COURSE OUTLINE

### South Plains College Allied Health Division EMS Programs 2248 Schedule Fall 2014

Class	Date	Time	Day	Content Area
Class 1	8.25.14	0830-1230	Monday	General Aspects of Medications
Class 2	9.8.14	0830-1230	Monday	Pharmacokinetics and Pharmacodynamics
Class 3	9.15.14	0830-1230	Monday	Classifications of Medications
Class 4	9.22.14	0830-1230	Monday	Respiratory Medications
Class 5	9.29.14	0830-1230	Monday	Exam 1
Class 6	10.6.14	0830-1230	Monday	Cardiac Medications
Class 7	10.13.14	0830-1230	Monday	GI Medications
Class 8	10.20.14	0830-1230	Monday	Exam 2
Class 9	10.27.14	0830-1230	Monday	Poisoning/Overdose
Class 10	11.3.14	0830-1230	Monday	Endocrine Medications
Class 11	11.10.14	0830-1230	Monday	Exam 3
Class 12	11.17.14	0830-1230	Monday	Pt Care using Medications
Class 13	11.24.14	0830-1230	Monday	Medication Scenario
Class 14	12.1.14	0830-1230	Monday	Final Exam

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## ACCOMMODATIONS

### DIVERSITY STATEMENT

In this class, the instructor will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

### DISABILITIES STATEMENT

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office through the Guidance and Counseling Centers at Reese Center (Building 8) [716-4606](tel:716-4606), or Levelland (Student Services Building) [716-2577](tel:716-2577).

## FOUNDATION SKILLS

### **BASIC SKILLS—Reads, Writes, Performs Arithmetic and Mathematical Operations, Listens and Speaks**

F-1 Reading—locates, understands, and interprets written information in prose and in documents such as manuals, graphs, and schedules.

F-2 Writing—communicates thoughts, ideas, information and messages in writing and creates documents such as letters, directions, manuals, reports, graphs, and flow charts.

F-3 Arithmetic—performs basic computations; uses basic numerical concepts such as whole numbers, etc.

F-4 Mathematics—approaches practical problems by choosing appropriately from a variety of mathematical techniques.

F-5 Listening—receives, attends to, interprets, and responds to verbal messages and other cues.

F-6 Speaking—organizes ideas and communicates orally.

### **THINKING SKILLS—Thinks Creatively, Makes Decisions, Solves Problems, Visualizes and Knows How to Learn and Reason**

F-7 Creative Thinking—generates new ideas.

F-8 Decision-Making—specifies goals and constraints, generates alternatives, considers risks, evaluates and chooses best alternative.

F-9 Problem Solving—recognizes problems, devises and implements plan of action.

F-10 Seeing Things in the Mind's Eye—organizes and processes symbols, pictures, graphs, objects, and other information.

F-11 Knowing How to Learn—uses efficient learning techniques to acquire and apply new knowledge and skills.

F-12 Reasoning—discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

### **PERSONAL QUALITIES—Displays Responsibility, Self-Esteem, Sociability, Self-Management, Integrity and Honesty**

F-13 Responsibility—exerts a high level of effort and perseveres towards goal attainment.

F-14 Self-Esteem—believes in own self-worth and maintains a positive view of self.

F-15 Sociability—demonstrates understanding, friendliness, adaptability, empathy and politeness in group settings.

F-16 Self-Management—assesses self accurately, sets personal goals, monitors progress and exhibits self-control.

F-17 Integrity/Honesty—chooses ethical courses of action.

## SCANS COMPETENCIES

C-1 **TIME** - Selects goal - relevant activities, ranks them, allocates time, prepares and follows schedules.

C-2 **MONEY** - Uses or prepares budgets, makes forecasts, keeps records and makes adjustments to meet objectives.

C-3 **MATERIALS AND FACILITIES** - Acquires, stores, allocates, and uses materials or space efficiently.

C-4 **HUMAN RESOURCES** - Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

### **INFORMATION - Acquires and Uses Information**

C-5 Acquires and evaluates information.

C-6 Organizes and maintains information.

C-7 Interprets and communicates information.

C-8 Uses computers to process information.



**INTERPERSONAL–Works With Others**

C-9 Participates as a member of a team and contributes to group effort.

C-10 Teaches others new skills.

C-11 Serves Clients/Customers–works to satisfy customer’s expectations.

C-12 Exercises Leadership–communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.

C-13 Negotiates-works toward agreements involving exchanges of resources; resolves divergent interests.

C-14 Works With Diversity–works well with men and women from diverse backgrounds.

**SYSTEMS–Understands Complex Interrelationships**

C-15 Understands Systems–knows how social, organizational, and technological systems work and operates effectively with them.

C-16 Monitors and Corrects Performance–distinguishes trends, predicts impacts on system operations, diagnoses systems performance and corrects malfunctions.

C-17 Improves or Designs Systems–suggests modifications to existing systems and develops new or alternative systems to improve performance.

**TECHNOLOGY–Works with a Variety of Technologies**

C-18 Selects Technology–chooses procedures, tools, or equipment, including computers and related technologies.

C-19 Applies Technology to Task–understands overall intent and proper procedures for setup and operation of equipment.

C-20 Maintains and Troubleshoots Equipment–prevents, identifies, or solves problems with equipment, including computers and other technologies.

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I (print name) \_\_\_\_\_ have received and read a copy of the syllabus for the **EMS Advanced Program (EMSP 2248.200 - Emergency Pharmacology)**. I understand the syllabus and understand that I must comply with all requirements listed within this document to complete the course.

Signature of Student \_\_\_\_\_

Date \_\_\_\_\_

