



**EMERGENCY MEDICAL SERVICES PROGRAM**  
**ALLIED HEALTH DEPARTMENT**  
**HEALTH OCCUPATION DIVISION**  
**REESE CENTER**  
**SOUTH PLAINS COLLEGE**

EMERGENCY MEDICAL TECHNICIAN

INTERMEDIATE

**COURSE SYLLABUS**  
**FALL 2009**

**EMSP 1438: Introduction to Advanced Practice. (4:3:3)**

**EMSP 1355: Trauma Management. (3:2:2)**

**EMSP 1356: Patient Assessment and Airway Management: (3:2:2)**

**EMSP 2248: Emergency Pharmacology: (2:2:1)**

## Intermediate Course Syllabus Fall 2009 Classroom

**EMSP 1438: Introduction to Advanced Practice. (4:2:2)**

**EMSP 1355: Trauma Management. (3:2:2)**

**EMSP 1356: Patient Assessment and Airway Management: (3:2:2)**

**EMSP 2248: Emergency Pharmacology: (2:2:1)**

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**Course Instructor:** Bart Sanders (806) 716-4627  
Email: [bsanders@southplainscollege.edu](mailto:bsanders@southplainscollege.edu)  
Office Hours: M, T, W, – 1:00pm to 3:00pm  
Fridays 8:30am-11:30am

**Course Location:** Reese Center: Building 2, Room 208

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**Required Text:** Mosby's EMT-Intermediate Textbook for the 1985 National Standard Curriculum; Shade, Collins, Werts, Jones, & Rothenburg  
ISBN 0-323-03985-5

AAOS Anatomy & Physiology Paramedic; Elling, Elling, & Rothenberg  
ISBN: 0-7637-3792-5

PHTLS Pre Hospital Trauma Life Support Sixth Edition;  
National Association of EMT's  
ISBN: 0-3230-3313-2

**Recommended Text:** Rapid Paramedic

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**Course Times:** Monday through Thursday mornings, 8:00am to 12:00 pm and Nov. 6<sup>th</sup> & 7<sup>th</sup> 8:00am to 5:00pm. (Mandatory PHTLS Class on Friday and Saturday)

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### **Course Descriptions:**

#### **EMSP 1438: Introduction to Advanced Practice. (4:3:3)**

This course is an exploration of the foundations necessary for mastery of the advanced topics of clinical practice out of the hospital.

#### **EMSP 1355: Trauma Management. (3:2:2)**

This course is a detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with traumatic injuries.

**EMSP 1356: Patient Assessment and Airway Management: (3:2:2)**

This course is a detailed study of the knowledge and skills necessary to reach competence in performing patient assessment and airway management.

**EMSP 2248: Emergency Pharmacology: (2:2:1)**

This is a comprehensive course covering all aspects of the utilization of medications in treating emergency situations. This course is designed to complement Cardiology, Special Populations, and Medical Emergency Courses.

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**Semester Objectives:**

At the completion of the semester students will:

1. Understand the roles and responsibilities of an Intermediate within an EMS System.
2. Be able to apply the basic concepts of development, pathophysiology, and pharmacology 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 traumatic emergencies.
7. Be able to safely and precisely access the venous circulation and administer medications.

**Course Objectives:**

At the completion of this course the student will have:

1. The cognitive, psychomotor, and affective competencies in the recognition and treatment of prehospital emergencies.
2. The cognitive, psychomotor, and affective competencies of prehospital traumatic emergencies.
3. The cognitive, psychomotor, and affective competencies of prehospital patient assessment and airway management emergencies.
4. The cognitive, psychomotor, and affective competencies of prehospital utilization of medications in treating emergency situations.
5. The cognitive, psychomotor and affective competencies of pre-hospital emergencies at the EMT – Intermediate entry-level.

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## **Course Policies:**

### **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 Special Services Office early in the semester so that appropriate arrangements may be made.

In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Coordinator of Special Services. For more information, call or visit the Special Services Office in Rooms 809 and 811, Reese Center Building 8, 885-3048, Extension 4654.

### **Accommodations**

This course requires specific physical abilities in order to complete the psychomotor skills and patient care. Any student with a limitation must address this issue with the instructor at the beginning of the course to determine if the student will be able to complete the requirements of this course. Refer to the South Plains College Catalog and EMS Handbook for specific information on accommodations.

### **Academic Integrity:**

It is the aim of South Plains College to foster a spirit of complete honesty and a high standard of integrity. Please refer to the EMS Handbook and the South Plains College General Catalog for descriptions of identification and response to breaches of Academic Integrity and Grievance Policy.

### **Diversity Statement:**

In this class, the teacher 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.

### **Attendance Policy:**

Students are expected to attend all classes. When a student misses their 4<sup>th</sup> class they will be administratively dropped from all courses in which they have not completed all course work or covered all material with a grade of an "X" if it is prior to the drop date. If the student exceeds the number of absences after the drop date they will be given a grade of "F" regardless of the grade they have in class. Due to the structure and schedule of this class it is imperative that you are in class daily. Work schedule is not an excuse for missing class.

**If a student fails to attend the Prehospital Trauma Life Support (PHTLS) course that is scheduled for Nov. 6<sup>th</sup> & 7<sup>th</sup>, they will receive a grade of “F in EMSP 1355**

**Assignment Policy:**

All assignments must be completed by the assigned 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 some assignments. All students have access to computers and printers here on the South Plains College Reese campus. Students will be expected to utilize computers to access assignments and classroom resources. Students are expected to have a working email account. All students are supplied a working email account from South Plains College. Student tests will be administered in a computer lab and on a computer. The use of computers in this course is an effort to increase student comfort with the use of computer testing as the national board exam will be administered on a computer.

**Exams:**

Make-up examinations or retests must be taken within 7 calendar days of the class date in which that exam was taken by the class. If you are going to miss an exam you must notify the instructor prior to the absence and you will be required to take the test prior to missing the class. If a retest is necessary, the recorded grade will be a maximum of 79.

**Grading Policy:**

You will receive a separate grade in each lecture course. Your grades in EMSP 1438, EMSP 1355, EMSP 1356, and EMSP 2248 will all follow the same grading criteria. A minimum of 75% on all exams, quizzes and assignments is required. There are no retakes for quizzes. One (1) retake is permitted for one (1) Modular Exam in each course.

Final semester grades will be based on the following:

Homework	20%
Quizzes	20%
Participation	10%
Modular Exams	50%

<b>Grading Scale:</b>	90-100	A
	80-89	B
	75-79	C
	<75	F

At the completion of each course, students will have performed at 75% or better on quizzes, tests, and written assignments, with a cumulative average of 80%, passed all psychomotor skills with 100%, **students must make a 75% or better on a comprehensive final, there are NO retest on the FINAL**, and must have completed the hourly and skills requirements as outlined in the EMS Clinical Handbook to receive a certified course completion to sit for the National Registry.

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**Class Project:**

During the course of the semester, the class as a whole will be assigned a class project to help the community. I will ask the class to form a committee that develops a plan for a project that will benefit a surrounding community's EMS service in some way. The purpose of this assignment will be to work with a surrounding EMS service and help them better their service: Some examples:

- Fundraiser for a new piece of equipment
- Assist with a healthcare fair focused on EMS
- Raise community awareness on teen pregnancy, drug/alcohol abuse
- Clean, paint, or repair an EMS building/station

**Withdrawing:**

You have the responsibility to formally withdraw from a course if you determine that you are not going to be able to complete the program. If you fail to do so you will receive an "F". You must drop the class according to the procedures outlined in the South Plains College General Catalog.

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**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 encounters the EMT – Intermediate 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. In this class, the student will encounter foul language, disturbing images, 'gallows humor', and other issues not found in a typical classroom setting. If the student does not feel they can tolerate this type of learning environment, they should discuss this with me immediately and/or consider withdrawing from the course.**

Bart Sanders,  
EMT-Intermediate Instructor

**South Plains College**  
**Allied Health Division EMS Programs**  
**Intermediate Class Schedule Fall 2009**

<b>Class</b>	<b>Date</b>	<b>Day</b>	<b>Content Area</b>	<b>Chapters</b>
Class 1	8.31.09	Monday	Course Overview, Policy & Procedures, Syllabus,	
Class 2	9.1.09	Tuesday	Roles & Responsibilities, EMS System, Medical Legal Consideration, Communication, Documentation	Mosby Chapter 1-5
Class 3	9.2.09	Wednesday	Anatomic Definitions and Cells Test 1 Review	Chapter 1 & 2
Class 4	9.3.09	Thursday	Test 1 over class 2 Skeletal Tissue	Chapter 3
Class 5	9.8.09	Tuesday	Muscle Tissue & Circulatory System/Test 2 Review	Chapter 4 & 5
Class 6	9.9.09	Wednesday	Basic Skills	
Class 7	9.10.09	Thursday	Test 2/ Basic Skills	
Class 8	9.14.09	Monday	Thy Lymphatic, Immune & Respiratory System	Chapter 6 & 7
Class 9	9.15.09	Tuesday	Nervous System	Chapter 8
Class 10	9.16.09	Wednesday	Test 3 Review	
Class 11	9.17.09	Thursday	Test 3/ Basic Skills 9:30 - 12	
Class 12	9.21.09	Monday	Gastrointestinal & Urinary System. Reproductive, Endocrine,	Chapter 9-12
Class 13	9.22.09	Tuesday	Intugementary & Special Sensory Systems Test 4 Review	Chapter 13 & 14
Class 14	9.23.09	Wednesday	Test 4	
Class 15	9.24.09	Thursday	IV Cannulation Lecture	Chapter 11 Mosby
Class 16	9.28.09	Monday	IV Live stick skill	
Class 17	9.29.09	Tuesday	Airway Management Lecture	Chapter 9 Mosby
Class 18	9.30.09	Wednesday	Airway Skills/Rotation Info	
Class 19	10.1.08	Thursday	Airway Skills	
Class 20	10.5.09	Monday	Intubation, Dissection Lab	

Class 21	10.6.09	Tuesday	IV/Airway Test	
Class 22	10.7.09	Wednesday	Acid Base Balance	
Class 23	10.8.09	Thursday	Patient Assessment	
Class 24	10.12.09	Monday	Respiratory Emergencies	
Class 25	10.13.09	Tuesday	PA Airway Scenarios	
Class 26	10.14.09	Wednesday	PA Airway Scenarios/Review	
Class 27	10.15.09	Thursday	Patient Assessment Scenarios	
Class 28	10.19.09	Monday	IO Access Lecture	
Class 29	10.20.09	Tuesday	CPAP/Resq-Pod	
Class 30	10.21.09	Wednesday	IO/CPAP/Resq-Pod Lab	
Class 31	10.22.09	Thursday	Patient Assessment Respiratory Test	
Class 32	10.26.09	Monday	Trauma	
Class 33	10.27.09	Tuesday	Trauma	
Class 34	10.28.09	Wednesday	Trauma	
Class 35	10.29.09	Thursday	Trauma Final	
Class 36	11.6.09	Friday	PHTLS Lecture 1	PHTLS Textbook
Class 37	11.6.09	Friday	PHTLS Baselines	
Class 38	11.7.09	Saturday	PHTLS Lecture 2	
Class 39	11.7.09	Saturday	PHTLS Skills	
Class 40	11.9.09	Monday	Trauma Scenarios	
Class 41	11.10.09	Tuesday	Trauma Scenarios	
Class 42	11.11.09	Wednesday	Pharmacology	Chapter 12 Mosby
Class 43	11.12.09	Thursday	Pharmacology	Chapter 12 Mosby
Class 44	11.16.09	Monday	Pharmacology	
Class 45	11.17.09	Tuesday	Medication Administration	
Class 46	11.18.09	Wednesday	Medication Scenarios/ Pharmacology Review	
Class 47	11.19.09	Wednesday	Pharmacology Test	
Class 48	11.30.09	Monday	Diabetic Emergencies Cardiac & Medical Emergencies	Chapter 14 & 15
Class 49	12.1.09	Tuesday	Obstetrics & Gynecology Pediatric Emergency	Chapter 16 & 18
Class 50	12.2.09	Wednesday	Substance Abuse and Behavioral Emergencies	
Class 51	12.3.09	Thursday	Medical Test	
Class 52	12.7.09	Monday	Trauma Scenario Based Management	
Class 53	12.8.09	Tuesday	NREMT Skill Practice	

Class 54	12.9.09	Wednesday	NREMT Skill Test	
Class 55	12.10.09	Thursday	Final Review	
Class 56	12.14.09	Monday	Completion of Paperwork	
Class 57	12.15.09	Tuesday	Short Answer Final	
Class 58	12.16.09	Wednesday	Multiple Choice Final	

**Important Dates:**

October 8<sup>th</sup> Students may begin scheduling clinical rotations after a successful live stick and intubation of the manikin is completed in the skills laboratory.

Nov. 6<sup>th</sup> & Nov. 7<sup>th</sup> Mandatory PHTLS 0800-1700 each day

December 15<sup>th</sup> Last day for Clinical Rotations

December 16<sup>th</sup> Last day for Clinical Paperwork

Class hours **232** Hospital Hours **80** Truck Hours **120** Total Hours **432**

## 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 members 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 of 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 correct 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.

## 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.

<b>SCANS FOUNDATION AND COMPETENCY SKILLS (By Course)</b>			
		<b>Competencies: (C)</b>	<b>Foundations: (F)</b>
EMSP	1438	5, 6, 7, 9, 12, 15	1, 2, 5, 6, 9, 10, 13, 14, 16
EMSP	1355	5, 6, 9, 12, 14, 18, 20	2, 5, 7, 8, 9, 10, 12, 13, 16, 17
EMSP	1356	5, 6, 7, 9, 12, 15, 16, 19, 20	1, 2, 3, 4, 5, 8, 9, 10, 12, 13, 14, 16
EMSP	2248	5, 6, 7, 9, 15, 16, 19	3, 4, 5, 8, 9, 13, 14, 17
Example for PSYC: Scans: Foundation Skills: 1, 2, 10, 11... Competencies: 4, 13...			



I \_\_\_\_\_ have received and read a copy of the Syllabus for **EMT Intermediate Program Fall Semester 2009 (EMSP 1438, EMSP 1355, EMSP 1356, EMSP 2248)**. I understand the syllabus and will comply with all requirements listed within this document.

\_\_\_\_\_  
Signature

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Date