

# Course Syllabus

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NOTE: This syllabus is subject to change during the semester. Please check this syllabus on a regular basis for any updates.

**Department** : Emergency Services  
**Course Title** : Emergency Pharmacology  
**Section Name** : EMSP\_2348  
**Start Date** : 8/22/11  
**End Date** : 12/8/11  
**Modality** : Hybrid  
**Credits** : 3

## Instructor Information

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**Name** : Lynne Kramer  
**OC Email** : lkramer@odessa.edu  
**OC Phone #** : 432-335-6379

### Course Description

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. (SCANS 1, 3, 6, 9)

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### Prerequisites/Co requisites

Basic EMT certifications

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### Scans

SCANS 1, 3, 6, 9

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### Course Objectives

Course objectives utilize the framework of Differentiated Entry Level Competencies. On completion of this course, students should be able to select the appropriate medication for the patient's condition, and accurately calculate the proper dose.

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***Learning Outcomes:***

The student will utilize critical thinking skills and a systematic problem-solving process as a framework for providing care for patients utilizing emergency pharmacologic agents.

**Required Readings/Materials**

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a) You must purchase the following **required** readings/materials:

**Textbooks:** The following textbooks and references are required:

Bledsoe, Bryan E., DO (2005). *Prehospital Emergency Pharmacology* (6th Ed.).  
Pearson  
Education, Inc.: New Jersey

Other Optional References

Pagana, K.D. & Pagana, T.J. (2006) *Mosby's Manual of Diagnostic & Laboratory Test*  
(3<sup>rd</sup> Ed). Mosby: St Louis

Mosby (2006). *Mosby's Dictionary of Medicine, Nursing, and Health Professions*  
(7<sup>th</sup> Ed.). Mosby; St Louis

Deglin, J. & Vallerand, A. (2006). *Davis Drug Guide for Nurses* (10<sup>th</sup> Ed.). Davis:  
Philadelphia

**Course Requirements (Lectures, Assignments and Assessments)**

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**UNIT OUTLINE:**

Unit 1

General Information; Pharmacokinetics and Pharmacodynamics; Administration of  
Drugs. Easy 4-Step Method To Drug Calculations.

Unit 2

Fluids, Electrolytes, and Intravenous Therapy; The Autonomic Nervous System; Drugs  
Used in the Treatment of Cardiovascular Emergencies; Drugs Used in the Treatment of  
Metabolic-Endocrine Emergencies; Drugs Used in the Treatment of Neurological  
Emergencies.

### Unit 3

Drugs Used in the Treatment of Obstetrical and Gynecological Emergencies; Drugs Used in the Treatment of Respiratory Emergencies; Toxicological Emergencies in Prehospital Care; Drugs Used in the Treatment of Behavioral Emergencies.

### Unit 4

Drugs Used in the Treatment of Gastrointestinal Emergencies; Drugs Used in Pain Management; Weapons of Mass Destruction.

## **LABORATORY COMPONENT OF EMSP 2348**

The laboratory component of EMSP 2348 is designed to improve clinical skills and critical thinking skills. The following skills that will be taught or reviewed:

1. Intravenous (IV) Therapy
2. Intramuscular (IM) Injections
3. Subcutaneous (SC or SQ) Injections

A grade of PASS is required on each skill.

Two opportunities will be allowed to pass each skill.

Remedial training will be mandatory and successfully completed before the Re-Test.

Failure to pass both written and laboratory portions of EMSP 2348 will result in a grade of F, regardless of the actual numerical grade, and prohibits registering for Semester 1 EMSP courses.

## **ORAL PRESENTATION**

Subjects of the oral presentation will be assigned during fourth week. NO make-up presentations are allowed. Students may exchange dates *of their presentation* with prior consent of the instructor.

Requirements for the Oral Presentation:

Class of drug

Action

Dosage

Indication(s)

Contraindication(s)

Side Effect(s)

Antidote (if any)

Cite at least two (2) sources of reference, and provide printed documentation

Identify and list any discrepancies in sources

The oral presentation must be at least 5 minutes but no more than 10 minutes in duration.

A typed, double spaced copy of the oral presentation, along with the printed sources of reference, must be presented to the instructor at the time of the oral presentation.

Grading of the oral presentation will be both subjective and objective:

Submitting all required material in proper format 0 to 20 points

Following the minimum and maximum time allotment 0 to 10 points

Instructor's evaluation 0 to 50 points

Peer evaluation and understanding of presentation 0 to 20 points

These 0 to 100 possible points will constitute 10 percent of the total course grade

*Week 1*

**Topic/Overview:** This week focuses on

**Summary of Week 1 Assignments & Activities**

Item(Name)	Type	Description	Due
<u>Unit 1</u> General Information; Pharmacokinetics and Pharmacodynamics; Administration of Drugs. Easy 4-Step Method To Drug Calculations	<i>Homework</i>	<i>Homework</i>	<i>10/3/11</i>

**Topic/Overview:** This week focuses on

**Summary of Week 7 Assignments & Activities**

Item(Name)	Type	Description	Due
<i>Unit 1</i>	<i>Test</i>	<i>Test</i>	<i>10/5/11</i>
<u>Unit 2</u> Fluids, Electrolytes, and Intravenous Therapy; The Autonomic Nervous System; Drugs Used in the Treatment of Cardiovascular Emergencies; Drugs Used in the Treatment of Metabolic-Endocrine Emergencies; Drugs Used in the Treatment of Neurological Emergencies.	<i>Class</i>		<i>10/31/11</i>

**Topic/Overview:** This week focuses on

**Summary of Week 13 Assignments & Activities**

Item(Name)	Type	Description	Due
<i>Unit 2</i>	<i>Test</i>	<i>Test</i>	<i>11/2/11</i>
<u>Unit 3</u> Drugs Used in the Treatment of Obstetrical and Gynecological Emergencies; Drugs Used in the Treatment of Respiratory Emergencies; Toxicological Emergencies in Prehospital Care; Drugs Used in the Treatment of Behavioral Emergencies.			<i>11/21/11</i>

**Topic/Overview:** This week focuses on

**Summary of Week 14 Assignments & Activities**

Item(Name)	Type	Description	Due
<i>Unit 3</i>	<i>Class</i>		<i>11/23/11</i>
<u>Unit 4</u> Drugs Used in the Treatment of Gastrointestinal Emergencies; Drugs Used in Pain Management; Weapons of Mass Destruction.			<i>11/30/11</i>

**Topic/Overview:** This week focuses on

**Summary of Week 14 Assignments & Activities**

Item(Name)	Type	Description	Due
<i>Unit 4 test</i>	<i>Class</i>		<i>12/5/11</i>

**Topic/Overview:** This week focuses on

**Summary of Week 16 Assignments & Activities**

Item(Name)	Type	Description	Due
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<i>Final</i>	<i>Test</i>		<i>12/7/11</i>
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## Grading Policy

1. The student will be expected to perform as stated in the objectives on the written exams and in classroom activities.

A course grade of 70 or better is required to pass EMSP 2348. No assignments are optional. In order to receive a passing grade in EMSP 2348, three skills must be successfully completed with a grade of pass in each skill.

Grades will be calculated as follows and averaged for the final course grade:

Exam 1	15%
Exam 2	15%
Exam 3	15%
Exam 4	15%
Oral Presentation	10%
Final exam	30%
Skills Pass	

Each week, I will provide grades or scores and comments on assignments within 6 days of when they were submitted. After I send feedback each week, I will post a notification in the **Main** forum.

Late assignments receive a 10% deduction for each day they are late if assignments are not posted by 11:59 p.m. central on the day they are due. Assignments more than 5 days late will not be accepted. Technological issues will not be considered as valid grounds for late assignment submission. In the event of a server outage, students should submit assignments to the instructor.

Percentage %	Grade
90 +.	A
80 - 90	B
70 - 80	C
60 - 70	D
Below 60	F

## Special Needs

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Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

## Learning Resource Center (Library)

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The Library, known as the [Learning Resources Center](#), provides research assistance via the [LRC's catalog \(print books, videos, e-books\)](#) and [databases \(journal and magazine articles\)](#). [Research guides](#) covering specific subject areas, [tutorials](#), and the "[Ask a Librarian](#)" service provide additional help.

## Student E-mail

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Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

## Student Portal

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Please access your [Odessa College Student E-mail](#), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

## Technical Support

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For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at [https://www.odessa.edu/dept/ssc/helpdesk\\_form.htm](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).

## Important School Policies

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For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or students and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).