

# 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** : 8/27/12  
**End Date** : 12/13/12  
**Modality** : Hybrid  
**Credits** : 3

## Instructor Information

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**Name** : Kelly Dilbeck  
**OC Email** : kdilbeck@odessa.edu  
**OC Phone #** : 432-335-6379

**Course Description** Utilization of medications in treating emergency situations.

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### Prerequisites/Co requisites

Basic EMT certifications

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### ICO's

ICO's 1, 2, 3

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### Course Objectives

The student will utilize knowledge of pharmacological concepts to demonstrate safe administration of medications in emergency settings.

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### ***Learning Outcomes:***

The student will utilize knowledge of pharmacological concepts to demonstrate safe administration of medications in emergency settings.

### **Expectations for Engagement – Online Learning**

To help make the web-based learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the online learning environment. Students and instructors are welcome to exceed these requirements.

#### **Reasonable Expectations of Engagement for Instructors**

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
  - provided my contact information at the beginning of the syllabus;
  - respond to all messages within 24 hours if received Monday through Thursday and within 48 hours if received Friday through Sunday; and,
  - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.
2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
  - provide clear information about grading policies and assignment requirements in the course syllabus, and
  - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.
3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
  - post grades for discussion postings within one week of the discussion thread closing.
  - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

#### **Reasonable Expectations of Engagement for Students**

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
  - line up alternative computer and internet access in case my primary computer crashes or my internet services is unavailable;
  - recognize that the college provides free wi-fi and computer labs during regular campus hours to help me with accessing my course; and,

- understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my equipment or service is unreliable.
2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to
    - getting “kicked off” of the system during tests or quizzes;
    - having trouble submitting assignments; and
    - dealing with a traumatic personal event.
  3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
    - seek out help from my instructor and/or from tutors;
    - ask questions if I don’t understand; and,
    - access my course several times during the week to keep up with assignments and announcements.

## 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 (2012). *Prehospital Emergency Pharmacology* (7th 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 Medications, Medication Dosage Calculations.

### Unit 2

Fluids, Electrolytes, and Intravenous Therapy; The Autonomic Nervous System; Medications Used in the Treatment of Cardiovascular Emergencies; Medications Used in the Treatment of Respiratory Emergencies; Medications Used in the Treatment of Allergic Reactions and Anaphylaxis.

### Unit 3

Drugs Used in the Treatment of Metabolic-Endocrine Emergencies; Medications Used in the Treatment of Neurological Emergencies; Medications Used in the Treatment of Obstetrical and Gynecological Emergencies; Medications Used in Toxicological Emergencies

### Unit 4

Medications Used in the Treatment of Behavioral Emergencies; 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 No higher than a D, regardless of the actual numerical grade, and prohibits registering for Semester 2 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.

An APA standard 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*

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

#### **Summary of Week 1 Assignments & Activities**

<b>Item(Name)</b>	<b>Type</b>	<b>Description</b>	<b>Due</b>
<u>Unit 1 (Chapters 1, 2, 3, 4)</u> General Information; Pharmacokinetics and Pharmacodynamics; Administration of Drugs. Medication Dosage Calculations.	<i>Homework</i>	<i>Homework</i>	<i>09/09/2012</i>

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

#### **Summary of Week 7 Assignments & Activities**

<b>Item(Name)</b>	<b>Type</b>	<b>Description</b>	<b>Due</b>
<i>Unit 1</i>	<i>Test</i>	<i>Test</i>	<i>09/12/2012</i>

<u>Unit 2 (Chapters 5, 6, 7, 8, 9)</u> Fluids, Electrolytes, and Intravenous Therapy; The Autonomic Nervous System; Drugs Used in the Treatment of Cardiovascular Emergencies; Drugs Used in the Treatment of Respiratory Emergencies; Drugs Used in the Treatment of Allergic Reactions and Anaphylaxis.	<i>Class</i>		<i>10/14/2012</i>
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**Topic/Overview:** This week focuses on

**Summary of Week 9 Assignments & Activities**

Item(Name)	Type	Description	Due
<i>Unit 2</i>	<i>Test</i>	<i>Test</i>	<i>10/17/2012</i>
<u>Unit 3 (Chapters 10, 11, 12, 13)</u> Drugs Used in the Treatment of Metabolic-Endocrine Emergencies; Drugs Used in the Treatment of Neurological Emergencies; Drugs Used in the Treatment of Obstetrical and Gynecological Emergencies; Toxicological Emergencies in Prehospital Care.			<i>11/11/2012</i>

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

**Summary of Week 14 Assignments & Activities**

Item(Name)	Type	Description	Due
<i>Unit 3</i>	<i>Test</i>	<i>Test</i>	<i>11/14/2012</i>
<u>Unit 4 (Chapters 14, 15, 16, 17)</u> Drugs Used in the Treatment of Behavioral Emergencies; Drugs Used in the Treatment of Gastrointestinal Emergencies; Drugs Used in Pain Management; Weapons of Mass Destruction.			<i>12/09/2012</i>

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

#### **Summary of Week 15 Assignments & Activities**

<b>Item(Name)</b>	<b>Type</b>	<b>Description</b>	<b>Due</b>
<i>Unit 4 test</i>	<i>Test</i>	Test	<i>12/10/12</i>

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

#### **Summary of Week 16 Assignments & Activities**

<b>Item(Name)</b>	<b>Type</b>	<b>Description</b>	<b>Due</b>
<i>Final</i>	<i>Test</i>		<i>12/12/12</i>

#### **Grading Policy**

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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, all 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.

**There are no late or makeup finals!**

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](#).