I. INTRODUCTION

A. **Course Description:** A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages.

B. This is a required course in the EMSP AAS degree and Paramedic certificate program and satisfies the EMS Operations requirements. This course is approved by the Texas Department of State Health Services (TDSHS) and is taught in accordance with the National Highway Traffic Safety Administration’s National EMS Education Standards and the TDSHS curriculum requirements.

C. This course meets, or exceeds, the current National EMS Education Standards curricula.

D. Prerequisites:

   1. Current CPR certification
   2. Current EMT-Basic certification
   3. EMSP 2444

E. Co-requisites:

   1. EMSP 2434
   2. EMSP 2262

F. Secretary’s Commission on Achieving Necessary Skills (SCANS) and Differentiated Entry Level Competencies (DELC)

   Alphanumeric coding used throughout the syllabus denotes the integration of SCANS occupational competencies (C) and foundation skills (F).

   This course is occupationally related and serves as preparation for jobs in prehospital care.

II. Learning Outcomes
At the completion of this unit, the student will be able to safely manage medical incidents, rescue situations, hazardous materials and crime scenes.

Upon successful completion of the course, EMSP 2206, the student will:

1. Categorize the classification of drugs; calculate drug dosages; and identify the therapeutic use, routes of administration, indications, contraindications, and adverse effects. (C5, 6, 7, F7, 8, 9, 10, 11, 12)

III. INSTRUCTIONAL MATERIALS

The instructional materials identified for this course are viewable through www.ctcd.edu/books

IV. COURSE REQUIREMENTS

A. Preparation for class: In preparation for any unit of study, it is suggested that the student first read the objectives and then the assigned required reading.

B. Attendance at Examinations: Examinations will be given on dates noted on the daily plan. If a student cannot attend an examination, a grade of “zero” will be given for the exam.

C. Written assignments: All assigned written work and homework assignments must be submitted on time. No late papers are accepted, unless student makes prior arrangements with the Faculty member to submit work late due to illness or absence. This remains up to faculty discretion.

D. Attendance Policy: EMSP 2206 adheres to the CTC attendance policy published in the CTC catalog for online courses. Students must complete an academic objective per week for attendance. Student will be dropped for non-attendance.

E. Office Hours: The faculty keep office hours for the purpose of conferring with students. Students are encouraged to make appointments with instructors to discuss their needs and/or problems.

F. Academic Integrity: EMSP 2206 adheres to the CTC academic integrity policy published in the CTC catalog. EMSP 2206 students are expected to abide by this policy. In EMSP 2206 falsification of any records and/or clinical records is considered a violation of academic integrity.

V. EXAMINATIONS

There are 3 Examinations for this course. They are comprised of (2) two exams and (1) one final exam.

August 2017
VI. SEMESTER GRADE COMPUTATIONS

A. Grading Scale: The grading scale is as follows:
   A. 90-100
   B. 80-89.9
   C. 75-79.9
   D. 60-74.9
   F. 0-59.9

A. Semester Grade Computations:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affective Domain</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes/Homework</td>
<td>40%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>10%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>100%</td>
</tr>
</tbody>
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VII. NOTES AND ADDITIONAL INSTRUCTIONS FROM COURSE INSTRUCTOR

A. Course Withdrawal: (Consistent with CTC policy)

B. Administrative Withdrawal: (Consistent with CTC policy)

C. Cellular Phones and Beepers: Cellular phones and beepers will be turned off while the student is in the classroom or laboratory.

D. Incomplete Grade: (Consistent with CTC policy)

E. Disability Support Services provides services to students who have appropriate documentation of a disability. Students requiring accommodations for class are responsible for contacting the Office of Disability Support Services (DSS) located on the central campus. This service is available to all students, regardless of location. Explore the website www.ctcd.edu/disability-support for further information. Reasonable accommodations will be granted in full compliance with federal and state law through the DSS office.

F. Civility: Individuals are expected to be cognizant of what a constructive educational experience is and respectful of those participating in a learning environment. Failure to do so can result in disciplinary action up to and including expulsion. Minimal civility includes:

1. Being in class on time;
2. Staying in class for the entire class period;
3. Leaving early occurs only after informing the teacher, prior to class, of an
unavoidable conflict requiring your early departure (if possible, position
yourself close to the door for a minimum disruption to the class);
4. Avoiding such uncivil conduct as talking, sleeping, reading papers/magazines,
or working on some other class homework assignment; and
5. Using socially acceptable language in classroom discussion.

G. Office Hours: The faculty keep office hours for the purpose of conferring with
students. Students are encouraged to make appointments with instructors to
discuss their needs and/or problems. Please go through the clerk to be announced.

H. Refund: (Consistent with CTC policy)
I. Instructor Discretion: The instructor reserves the right of final decision in course
requirements.

VIII. COURSE OUTLINE

A. General Pharmacology
B. Trauma
C. Pulmonary and Respiratory Emergencies
D. Cardiovascular Emergencies
E. Neurologic Emergencies
F. Endocrine Emergencies
G. Allergic and Anaphylactic Emergencies
H. Renal and Urologic Emergencies
I. Toxicology and Behavioral Emergencies
J. Environmental Emergencies
K. Obstetric Emergencies
L. Neonatal Emergencies
M. Pediatric Emergencies
N. Geriatric Emergencies
O. Rescue Awareness, Operations, and Terrorism Response