



# North Harris College

Emergency Medical Services Professions

Course Syllabus-Fall 2004

## EMSP 2348-11001 & 12001

**Emergency Pharmacology**  
**(3 credit hours)**

**Location: WNSP 165/177**  
**Time: 08:35a - 12:45p**  
**6.00p – 10.15p**

***Prof: Carol O'Connor BSc LP***

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Office hours:

Secretary:

WNSP 170D

Mon 2-6p and Tu/Th 11.45-12.45

(281) 618-5781 Penny Grigsby

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### **Pre-requisites:**

EMSP 1501 and 1160 or current TDH EMT-Basic certification.

A working knowledge of mathematics and algebra.

### **Co-requisites:**

EMSP 1161, 1338, and 1356.

These four courses comprise the first of five semesters in the EMS Professions program.

### **Required Material**

- 1) Bledsoe, B.E., Cherry, R.D., and Porter, R.S. Paramedic Care: Principles and Practice (Volume 1). New Jersey: Brady-Prentice Hall, 2000.
- 2) Workbook to accompany above referenced text.
- 3) Bledsoe Clayden and Papa - Prehospital Emergency Pharmacology, Fifth Edition Brady – Prentice Hall 2001

### **Strongly Suggested Optional Materials**

- 1) Mikolaj, A.A. Drug Dosage Calculations for the Emergency Care Provider. New Jersey: Brady-Prentice Hall, 1997.

### **Course Goals and Description (See SCANS Section)**

EMSP 2348 is designed to introduce and assist the student in mastering the DOT: National Standard Curriculum for pharmacology, venous access, and medication administration at the Paramedic level.

#### DOT: NSC Unit Terminal Objectives

- 1-7 at the completion of this unit, the paramedic student will be able to integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.
- 1-8 at the completion of this unit, the paramedic student will be able to safely and precisely access the venous circulation and administer medications.

### **Drop/Withdrawal Procedures**

A student electing to drop a course or withdraw from courses should obtain a drop or withdrawal form from the Admissions Office.

Students are strongly encouraged to consult with their instructor and/or counselor prior to withdrawal. ***Students must realize that dropping this course will prevent them from continuing in the EMS Professions program. This course is a pre-requisite for all EMSP second semester courses.*** Withdrawal day for the fall 2004 semester is November 8, 2004.

### **Course Evaluations**

The scale for determining a letter grade in the EMS Professions Program is:

**A = 90% – 100%**

**B = 80% – 89%**

**C = 70% – 79%**

**D = 60% – 69%**

**F = below 60%**

The areas in which a student will be evaluated and the associated weighted values of those assessments are given below:

|                       |            |
|-----------------------|------------|
| Quizzes               | 100        |
| Project               | 100        |
| Exam I                | 100        |
| Exam II               | 100        |
| Exam III              | 100        |
| Final Written Exam*   | 200        |
| Final Practical Exam* | 50         |
| <b>TOTAL</b>          | <b>750</b> |

\*Final written and practical exams must be passed with a "C" or better.

All examinations are cumulative. A make-up exam will be given to a student with an excused absence that notified their professor prior to missing the examination. It is solely up to the discretion of the professor whether an absence is excused or unexcused. All make-up exams will be conducted within one week of the missed exam. Only one make-up exam will be allowed per each student.

Quizzes will be given over assigned class topics and readings. It is suggested that the student keep up with all assigned readings and class materials. Quizzes are given to identify your understanding and comprehension of certain material. No make-up quizzes will be given. If you are late or absent and miss a quiz you will receive a "0".

### **Academic Appeals and Student's Rights**

Please refer to the current NHMCCD catalog for the appeal process and student's rights information.

### **Academic Dishonesty**

***The EMS Professions program is committed to a high standard of professional integrity and moral character.*** To ensure that patient safety comes first, anyone violating the below mentioned standards will be immediately withdrawn from the EMS Professions program.

NHMCCD is committed to a high standard of academic integrity in the academic community. In becoming a part of the academic community, students are responsible for honesty and independent effort. Failure to uphold these standards includes, but is not limited to, the following: plagiarizing written work or projects, cheating on exams or assignments, collusion on an exam or report, and misrepresentation of credentials or prerequisites when registering for a course. Cheating includes looking at or copying from another student's exam, orally communicating or receiving answers during an exam, having another person take an exam or complete a project assignment, using unauthorized notes, texts, or other materials for an exam, and obtaining or distributing an unauthorized copy of an exam or any part of an exam. Plagiarism means passing off as his/her own ideas or writings of another (that is, without giving proper credit by documenting sources). Plagiarism includes submitting a paper, report, or project that someone else has prepared, in whole or in part. Collusion is inappropriately collaborating on assignments designed to be independently. These definitions are not exhaustive.

When there is clear evidence of cheating, plagiarism, collusion, or misrepresentation, a faculty member will take disciplinary action including but not limited to: requiring the student to retake or resubmit an exam or assigning a grade of "F" for the course. Additional sanctions including being withdrawn from the course, program, or expelled from school may be imposed on a student who violates the standards of academic integrity.

### **Attendance Policy**

Attendance and promptness is expected to all classes. Excessive absences and/or tardiness could subject the student to being dropped from or failure of the course and, therefore, the EMS Professions program.

### **Americans with Disabilities Act**

The NHMCCD colleges are dedicated to providing the least restrictive learning environment for all students. The college district promotes equity in academic access through the implementation of reasonable accommodations as required by the Vocational Rehabilitation Act of 1973, Title V, Section 504 and the Americans with Disability Act of 1990 which enable students with disabilities to participate in and benefit from all post-secondary educational activities.

If you require reasonable accommodations because of a physical, mental, or learning disability, please notify the instructor of this course as soon as possible and preferably before the end of the second week of this term.

### **Computer Virus Protection**

Computer viruses are, unfortunately, a fact of life. Using the diskettes on more than one computer creates the possibility of infecting computers and diskettes with a computer virus. This exposes the computers of the college, and any others you may be using to potentially damaging viruses. The college has aggressive anti-virus procedures in place to protect its computers, but cannot guarantee that a virus might not temporarily infect one of its machines. It is your responsibility to protect all computes under your control and use and ensure that each diskette you use, whenever or wherever you use it, has been scanned with anti-virus software. Since new viruses arise continually, your anti-virus software must be kept current. And, since no anti-virus software will find every virus, keeping copies of data (backups) is extremely important.

### **Equal Opportunity Statement**

It is the policy of NHMCCD to provide equal employment, admissions, and educational opportunities without regard to race, color, religion, national origin, sex, age, or disability.

NHMCCD strives to provide an excellent learning environment free from harassment or intimidation directed at any person's race, national origin, sex, age, or disability. Any form of harassment will not be tolerated.

This class is taught at a professional level. Students are expected to behave professionally in all aspects of this class. Dress appropriately for class; there are times when we will be working on the floor, working outside or under less than ideal conditions. If you become uncomfortable because of the hands-on nature of the practical sessions due to the actions of other students, you have the responsibility to immediately inform the other students, the faculty and/or the program coordinator of your concerns. The same is true for language or gestures that a student may find offensive. Sexual harassment, in any form or by any means, will result in immediate dismissal from class, forfeiture of recommendation for TDH state certification and other disciplinary action as based on North Harris College policy.

### **Software Piracy**

Law strictly prohibits unauthorized copying of software purchased by North Harris Montgomery Community College District for use in laboratories. NHMCCD administration will take appropriate disciplinary action against anyone violating copyright laws.

### **Texas Department of Health and College Administration:**

The Texas Department of Health EMS Course Coordinator is Steve Kolar. In the event that you have any questions related to your course work, requirements for certification, or any other general questions, please contact him at the above listed numbers. Virginia Lilly is the Associate Dean for Health and Physical Education. If you have any questions about NHC policies, procedures, courses, etc., please contact her at 281-618-5657.



## Learning Outcomes

The student will display a command of general pharmacological terminology, general drug mechanisms, administration routes and administration procedures, and drug dose calculations.

Students will demonstrate understanding of the pharmacodynamics, pharmacokinetics, indications, contraindications, possible side effects, and common drug interactions of a variety of medications used in out-of-hospital medical care.

[illegible]

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