

## **ACCORDANCE Community College Emergency Medical Services Training Programs**

**Catalog Description:** EMSP 2348 Paramedic – Pharmacology (Credit 3 semester hours Lecture 2 Lab 4)

**Prerequisite:** EMSP 1263 + Drug Cards + State of XX Office of EMS or National Registry EMT Certification  
Documentation of 12th Grade Reading Level or ASSET or Compass Reading level, HS transcripts or copy of diploma or GED scores, CPR Completion: (AHA - Health Care Provider, ARC - Professional Rescuer), all Immunizations, background check, drug screen, physical exam are required for admission to the Accordance CC EMSP

**Course Description:**

A comprehensive course covering all aspects of the utilization of medications in treating emergency situations. Course is designed to compliment Cardiology, Special Populations, and Medical Emergency courses. Curriculum is based on U.S. Department of Transportation National EMS Standards.

**Purpose and Rationale:**

Discuss general pharmacological terminology, general drug mechanisms, administration routes and procedures, and drug dose calculations; and identify pharmacodynamics, pharmacokinetics, indications, contraindications, possible side effects, and common drug interactions of various medications used in out-of-hospital medical care.

**Student Learning Outcome:**

The student will be proficient with the knowledge needed for the delivery of pre-hospital medications used in the EMS profession.

To complete their paramedic education, the student must successfully pass the EMSP 2348, 2444, 2260, 2434, 2430, 2261, 2338, 2262, 2243 courses.

SCANS:

**C7 - Information - Interprets and communicates information.**

**Description:**

Interprets and shows understanding of the information on medications used within the curriculum

**Current Objective:**

Prepare students on the use of medications in the pre-hospital setting.

**Description of Module:**

The student will demonstrate understanding of MOA, indications, contraindications, side effects, and dosage of medications through the use of worksheets and evaluation tools.

**F4 - Basic Skills - Mathematics: Approaches practical problems by choosing appropriately from a variety of mathematical techniques.**

**Description:**

Interprets and shows understanding of the variety of equations used to obtain a desired dose of medication

**Current Objective:**

Prepare students on the use of medications in the pre-hospital setting.

**Description of Module:**

The student will demonstrate understanding of how a proper desired dose of medication is obtained by using the appropriate equation. Ensure students are prepared through the use of worksheets and evaluation tools.

**F14 Personal Qualities - Self-esteem**

**Description:**

Believes in own self worth and maintains a positive view of self; demonstrates knowledge of own skills and abilities; is aware of impact on others; and knows own emotional capacity and needs and how to address them.

**Objective:**

Student will determine if this is the profession they would like to pursue.

**Description of Module:**

Student will show ability through the Affective Domain

**F17- Personal Qualities - Integrity/Honesty**

**Description:**

Can be trusted. Recognizes the importance of learning and understanding material within the course; understands the impact of violating these beliefs and codes on an organization, self and others; and chooses an ethical course of action.

**Objective:**

The student will recognize that decisions made will impact the patient. Example, if the wrong medication is or is not given patient care will be compromised.

**Description of Module:**

Assessment will be documented by class participation, evaluation tools and worksheets.

**Course Textbooks:**

**Required Texts:**

Nancy Caroline's Emergency Care in the Streets, 6<sup>th</sup> edition  
ISBN 13: 9780763729073 - Textbook  
Nancy Caroline's Emergency Care in the Streets, 6<sup>th</sup> edition  
ISBN 13: 9780763744120 - Workbook

**Recommended:**

Paramedic Review Manual for National Registry of EMT's Certification  
ISBN 978076375518  
JB Test Prep: Paramedic Success  
ISBN 9780763757847

**Attendance Policy:**

**Class Attendance:** All lecture classes, labs, and clinical require mandatory attendance. Class/Lab attendance is checked daily. If a student misses more than 10% of the didactic course the student will be dropped for excessive absences (time will count hour for hour). If time missed is due to medical illness the department will require a signed physician clearance to reenter the program.

State of XX Office of EMS requires all students meet / attend and complete all class / clinical hours to be considered complete in the program. If the student is absent or tardy they MUST contact their EMS Lead Instructor prior to the start of class or clinical. Any student that is Absence Without Leave (AWOL) may be dismissed from the program immediately pending Lead instructor and Department chair decision.

**Missed class time:**

**This sample document is provided as an example for reference as a “typical” syllabus.**

When **any** time is missed the student will do the following to allow for continuance in the program: (this will **not** serve as “make-up” time – time missed is time missed.)

- If the student misses class time he / she will be required to completely define, differentiate, describe, explain, etc. the core cognitive objectives assigned by the instructor over the information missed. The objectives are listed at the beginning of each chapter of the required textbook. Work will be turned into the instructor at the start of the next class date.

**Tardiness (classroom):**

Tardy will be defined as missing less than fifteen (15) minutes of class. After fifteen (15) minutes the doors to the classroom will be locked and the student will not join the class until the instructor gives the class a break.

Three (3) tardies will count as two (2) hours missed from the program and will be considered “chronic” tardiness. The student may be dismissed from the program pending the Lead Instructor and Department Program Director decision.

**Skills Lab missed time:**

When **any** time is missed the student will do the following to allow for continuance in the program: (this will **not** serve as “make-up” time – time missed is time missed.)

The Accordance CC Lead Instructor will have an Accordance CC skills instructor contact the student. The skills instructor will set a time / date / location to meet with the student so the skills practice can occur (within a week of the time missed). The student will pay the instructor at a rate of \$25.00 per hour.

**Tardiness (skills lab):**

Tardy will be defined as missing less than fifteen (15) minutes of class. If the student misses more that fifteen (15) minutes of skills lab the student will be required to meet with an Accordance CC skills instructor for a one (1) hour session. The Accordance CC Lead instructor will have an Accordance CC skills instructor contact the student. The skills instructor will set a time / date / location to meet with the student so the skills practice can occur (within a week of the time missed). The student will pay the instructor at a rate of \$25.00 per hour.

**Code of Conduct violations:**

If the Code of Conduct is violated the student will be dismissed from class (refer to the **Missed class time** policy on how time missed will be handled and the students Affective grade will decrease). Any Accordance CC instructor or Clinical Affiliate is / are eligible to enforce the components of the Code and the student will abide by the discipline.

**Clinical Assignment violation:**

The following is the Accordance CC policy for any student that misses a clinical rotation.

1st time the student’s clinical grade will be dropped one letter

2nd time the student will be dropped from the clinical class (and any other classes that are running concurrently in which they have not received a final grade)

Time missed by the student can place our clinical affiliation agreements in jeopardy. The EMS program cannot operate without the affiliations so the policy above has been put in place to assure loss of affiliates does not occur.

**Electronic Devices (Pagers, Cell Phones, MP3, Lap top, etc...):**

During classroom sessions and clinical rotations, pagers and/or cell phones will be placed on vibrate or turned off. **ALL OTHER ELECTRONIC DEVICES MUST BE TURNED OFF.**

|                       |          |   |          |
|-----------------------|----------|---|----------|
| <b>Grading Scale:</b> | 90-100   | A | 4 Points |
|                       | 80- 89   | B | 3 Points |
|                       | 75- 79   | C | 2 Points |
|                       | Below 75 | F | 0 Points |

**Proficiency Skills:** IV Piggyback Medication Administration  
 IV Push  
 Drug withdrawal from Ampule / vial  
 Sublingual drug Administration  
 ET drug administration  
 IM drug administration  
 SQ drug administration

**Grading Policies:**

**Written Retesting**

Students will be allowed to retest the EMSP 2348 final examination, one time only. The student must notify the instructor within the next college business day if they wish to retest after they receive the overall course grade average. The maximum overall score the student may receive for the program is a 75% (regardless of how the student scores on the retest). The student who misses a pop quiz(s) will not be allowed to make up the exam and its value (0) will then be added to the percentage of the final exam. The student must score a 75% or above on the final exam and must have a 75% overall average or above to successfully complete the program.

**Grade Calculation:**

|                         |     |
|-------------------------|-----|
| Daily Tests             | 15% |
| Articles, Miscellaneous | 10% |
| Affective grade         | 10% |
| Drug Cards              | 15% |
| Homework                | 10% |
| EMSP 2248 Final Exam    | 40% |

**SKILLS:**

Throughout the Paramedic program, a proficiency check of skills will occur.

**Daily Tests**

These tests may consist of multiple choice, true / false, completion and/or short answer questions.

**Articles, Miscellaneous**

This area involves other assignments including any homework, articles and special assignments. Articles are assignments done outside of classroom time that involve researching EMS related information from the Internet, EMS journals, healthcare journals and other resources.

**Affective grade**

This involves several components. These include student dress (uniform), punctuality, class participation, neatness, cleanliness, respectful participation, preparedness, and remaining mentally alert during class.

| DATE   | 00/00/2007 |   | 00/00/2007 |   | 00/00/2007 |   |
|--|------------|---|------------|---|------------|---|
| AFFECTIVE  | Y          | N | Y          | N | Y          | N |
| 1. PUNCTUALITY   |            |   |            |   |            |   |
| 2. MENTALLY ALERT  |            |   |            |   |            |   |
| 3. CLASS PARTICIPATION   |            |   |            |   |            |   |
| 4. PREPAREDNESS  |            |   |            |   |            |   |
| DAILY POINTS   |            |   |            |   |            |   |
| TOTAL  |            |   |            |   |            |   |
| TOTAL POINTS ÷ TOTAL POSSIBLE POINTS (NUMBER DAYS X FOUR = TOTAL POINTS AVAILABLE) |            |   |            |   |            |   |

This sample document is provided as an example for reference as a “typical” syllabus.

#### Homework

Handouts will be completed and turned in on the date and time designated by the course instructor to obtain full credit.

#### Final Exam

This exam may consist of multiple choice, true / false, completion, and short answer questions. The content will come from the course textbooks & class notes. The student must score a minimum of 75% on this exam & maintain a minimum course average of 75% to successfully complete the Accordance CC EMS program.

#### **ACCORDANCE CC EMSP Quiz/Major Exam Review Procedures:**

Daily Quizzes / Major Exam's may be reviewed by appointment only. Students MUST contact the Lead Instructor to schedule an appointment. THIS IS A REVIEW ONLY. Students will review the quiz/exam on a clean desk (no books, packets, etc.). Students will have thirty (30) minutes for the review process, and student selections will not be discussed or changed during the review process.

#### EMSP 2260: Paramedic - Cardiovascular Clinical/Ambulance Assignments:

Course is a co-requisite of EMSP 2444. Clinical will be run concurrently with EMSP 2444. If the student does not successfully pass the final exam(s) associated with EMSP 2348 or 2444 the student will be withdrawn from EMSP 2260. EMS students must maintain a minimum of 2.0 GPA in all EMS courses to be eligible for enrollment for future courses. Students must attend the clinical orientation and show proof of registration at the Orientation. Student must attend the orientation in full EMS uniform with stethoscope and goggles.

Clinical/Field training will be provided to the student based on availability. Students are expected to attend and successfully complete all scheduled clinical assignments. Immunization records must be current throughout the program, and will be maintained in the student file. Students will not be permitted in the clinical setting if immunization records are delinquent. All clinical scheduling will be done through the Accordance CC EMS office. Any rotations attended without the permission of the Accordance CC EMS Clinical Coordinator will not be accepted. Preceptor evaluation and specific clinical grading will be reviewed at the clinical orientation. Students not attending the clinical orientation will not be permitted in the clinical setting. Students will report any absences or cancellations to the Clinical Coordinator by using the clinical number provided.

**Note:** Accordance CC policies and procedures conform to all local, state, and federal guidelines. For more detailed information review the Accordance CC Catalog and Accordance CC Student Handbooks available at the Registration Office or on-line [www.Accordancecc.edu/students](http://www.Accordancecc.edu/students)

**PORTFOLIO:** Every paramedic student must complete the program-required portfolio of skills and patient care experiences prior to graduation. Each of the relevant skills and patient care encounters must be documented throughout the program. Students are encouraged to always be vigilant in pursuing opportunities for skills and patient care experiences to achieve their totals. No student will be allowed to graduate who has not completed 100% of their portfolio.

#### **Application to Paramedic Program**

Upon successful completion of EMSP 2348, 2444, 2260 the student may request to have their folder placed in the interview process for the next paramedic class.

#### **ADA Statement:**

“Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective College at the beginning of each semester. Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office.” If you have any questions, please contact Name at [XX Contact Number] or the Disability Counselor at each College.

**NOTICE:**

Students who repeat a course for a third may soon face significant tuition/fee increases at Accordance CC and other State public colleges and universities. Please ask your instructor / counselor about opportunities for tutoring / other assistance prior to considering course withdrawal or if you are not receiving passing grades.

**Student Background:**

**Should there be any change in the student’s background history (the student is placed on probation, parole, deferred adjudication or have a warrant pending) post-Pre-check that was provided to the program the student MUST make the instructor aware of the change.**

**Alcohol / Illicit substance use:**

At no time shall the student use alcohol / or illicit substances while in the Accordance CC uniform. If a student is suspected of or found to be intoxicated the student will be removed from the program. The student will have to make an appointment with the Department Program Director to be eligible for re-entry into the program. The student will also be removed from the program if seen ingesting substances that resemble alcoholic beverages (virgin drinks, near beer, etc.) / illicit substances while in an Accordance CC uniform. Refer to Accordance CC Student Handbook.

**Code of Conduct violations:**

If the Code of Conduct is violated the student will be dismissed from class (refer to the **Missed class time** policy on how time missed will be handled and the students Affective grade will decrease). Any Accordance CC instructor or Clinical Affiliate is / are eligible to enforce the components of the Code and the student will abide by the discipline.

**Clinical Assignment violation:**

The following is the Accordance CC policy for any student that misses a clinical rotation.

1st time the student’s clinical grade will be dropped one letter

2nd time the student will be dropped from the clinical class (and any other classes that are running concurrently in which they have not received a final grade)

Time missed by the student can place our clinical affiliation agreements in jeopardy. The EMS program cannot operate without the affiliations so the policy above has been put in place to assure loss of affiliates does not occur

**EMSP 2348 STUDENT AND FACULTY AGREEMENT**

Accordance Community College works to provide quality educational opportunities for all students. Please read the following paragraphs to know what you should expect from your instructor, and what your instructor expects from you in your class(es) this semester.

**You should expect the following from the instructor:**

- Inform you in the first week of class of course content, requirements and grading procedures, in writing, through the course syllabus. The course syllabus and handouts will contain information about dates of tests and assignments; make-up policies; attendance policies; the instructor’s office hours; the instructor’s telephone number; the method of determining the course grade and SCANS competencies.
- Be available to meet with you, either before or after class, or by appointment.
- Discuss with you any problems that you have that relate to the class.
- Treat you with courtesy, even when there is disagreement.
- Be on time and prepared for class.
- Conduct him/herself in a professional manner at all times.

**The instructor expects the following from you:**

- Be in class 100% of the time. If you are absent or late more than 10.0% of the course, you will be dropped from the class. (Hybrid course students should see the course syllabus for specific attendance requirements.)
- Be on time and prepared for class.
- Find out about work you have missed. Arrange to make up missed work, if possible or if permitted. Keep a copy of the course syllabus; bring syllabus and text to class.
- Behave appropriately in class. This means the following:
  - While the instructor is lecturing, there should be no talking to other students
  - Leaving the classroom during class is not acceptable
  - You are expected to be in class on time, except in emergencies, which should be discussed with faculty, prior to class.
  - Working on other class work during class lecture or discussion time is not acceptable.
  - Children are not allowed in class or computer labs.
  - Phones or beepers must be turned off during class, in computer labs, or the library.
  - Bringing food or drink into classroom, computer labs or library is forbidden.
  - Bringing weapons to class is not permitted.
  - Sleeping and dozing in class is not permitted.
  - Using derogatory or vulgar language is not permitted.
  - Purchase required textbook and other equipment during the first week of class.
  - Discuss with the instructor problems that you are having with the class before asking others for help in resolving the situation.
  - Check on grades often and discuss concerns early. **Do not wait until the last week of semester.**
  - Seek the assistance of available tutoring services.
  - Treat the instructor with courtesy, even when there is a disagreement. Also, treat other students with courtesy

**Accordance CC offers computing resources for use by currently enrolled students and employees for educational research and administrative purposes. Access to this equipment, supplies and labs is a privilege granted to students and faculty to facilitate instruction, learning, research, and administration. All students have the responsibility to make use of these resources in an efficient, ethical, and legal manner.**

- Anyone under 17 yrs of age is not allowed to use computers, except for Student Services events. Visitors (non-students) may use computers in the Library according to the library policies.
- The Computer Center reserves the right to monitor print jobs and manage instructional supplies with quotas and a fee system. Printing accounts are issued from course rosters submitted by faculty.
- No food or open drink containers are permitted inside the computer labs.
- Students will be respectful to staff and other students.
- Abuse of equipment, facilities, and policies will result in disciplinary action.
- Disruptive behavior may result in Security being called. Disruptive students will be removed from class and may be dismissed from class or program.

This sample document is provided as an example for reference as a “typical” syllabus.

**To inform yourself of all policies, the college expects you to read the college catalogue, college handbook and program handbook.**

If you experience any problems with your class, please discuss the problem with your instructor and/or advisor. If this is impossible, please contact the department Program Director \_\_\_\_\_, whose telephone number is \_\_\_\_\_.

**Faculty Signature/Date:** \_\_\_\_\_

**Student Signature/Date:** \_\_\_\_\_

**I have read and understand the contents of the Accordance CC EMS program syllabus.**

\_\_\_\_\_  
(Print student name above)

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Lead Instructor Signature

\_\_\_\_\_  
Date