COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

EMERGENCY MEDICAL SERVICES COURSE SYLLABUS

Course Information

Course Number: EMSP 2248

Course Title: Emergency Pharmacology

Course Description: Utilization of medications in treating emergency situations. Lab required.

Course Credit Hours: 2
Lecture Hours: 1
Lab Hours: 4
Contact Hours: 80

Student Learning Outcomes: Upon successful completion of the course, the student will be able to:

1. Utilize knowledge of pharmacological concepts to demonstrate safe administration of medications in emergency settings.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)
2. Demonstrate and apply knowledge of properties of functions, including domain and range operations, compositions, and inverses.
   (SCANS: F1, F2, F4, F5.)
3. List and describe general properties of drugs liquid and solid drug forms and administration.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)
4. Differentiate between enteral and parenteral routes of drug administration.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)
5. Describe mechanisms of drug interaction.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)
6. Apply formulas as a basis for performing drug calculations.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)
7. Compare the six rights of drug administration and correlate them with the principles of medication administration.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)
8. Describe the indications, contraindications, side effects, dosages, and routes of administration for medications commonly administered by paramedics.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C8, C10, C11, C12, C13, C15,)

Secretary's Commission on the Acquisition of Necessary Skills (SCANS)- SCANS skills are a group of foundational skills and workplace competencies that the Secretary's Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin's workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at: http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.