

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EMS 2611L

COURSE TITLE: Paramedic Module I, Pharmacology Lab

PREREQUISITE(S): EMS 1119, EMS 2611, EMS 1401 and BSC 2020C

COREQUISITE(S): None

CREDIT HOURS: 2

CONTACT HOURS/WEEK: 2

CONTACT HOUR BREAKDOWN:

Lecture/Discussion: 1

Laboratory: 1

Other _____:

FACULTY WORKLOAD POINTS: 1.7

STANDARDIZED CLASS SIZE ALLOCATION: 6 (state requirement)

CATALOG COURSE DESCRIPTION:

This course is a lab module and is one in a three term of instruction for the EMT-paramedic. Instruction includes pharmacology, medication administration, and IV access.

SUGGESTED TEXT(S): Paramedic Care: Principles and Practice Volume I, Brady Publishing

IMPLEMENTATION DATE: January, 2001

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)
Fall Term, 2003 (20041)
Summer Term, 2005 (20053)
Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	<u>CONTACT HOURS PER TOPIC</u>
I. Pharmacology	
A. Drug Information	2
1. Drug Names	
2. Drug Standards and Legislation	
3. Drug Forms	
B. Mechanisms of Drug Actions	2
1. General Properties of Drugs	
2. Drug Interactions	
3. Drug Storage	
C. Affect of Drugs on Body Systems	2
D. Administration of Drugs	4
1. Syringes and Scales	
2. Drawing up Solutions	
3. Use of Pre-Filled Syringes	
4. Addition of Drugs to IV Bottle or Bag	
5. Subcutaneous Injections	
6. Intramuscular Injections	
7. Intracardiac Injections	
E. Venous Access	10
1. Peripheral Intravenous Insertion	
2. Central Intravenous Insertion	
3. Military Anti-shock Trousers (MAST)	
F. General Pharmacology	5
1. Administration of Drugs	
2. Techniques of Administration (Skills)	
a. Syringes and Scales	
b. Drawing up Solutions	
c. Use of Prefilled Syringes	
d. Addition of Drugs to I.V. Solutions	
e. Subcutaneous Injections	
f. Intramuscular Injections	
g. Intracardiac Injections	
G. Nasogastric Tube and Urinary Cathertization	5
1. NG Tube Insertion	
2. Foley Cathertization	

PROGRAM TITLE: Emergency Medical Services -
Associate's Degree

COURSE TITLE: Paramedic Module 1, Lab

CIP NUMBER: 0317.020601

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

23.0 DEMONSTRATE KNOWLEDGE OF PHARMACOLOGY AND ADMINISTER MEDICATIONS--The student will be able to:

- 23.01 Discuss the various origins and forms of drugs.
- 23.02 Discuss the various names of a drug (ie. generic, trade, official, chemical).
- 23.03 Identify those agencies responsible for regulating drugs and the rationale for regulation.
- 23.04 Demonstrate use of the Physician's Desk Reference.
- 23.05 Identify local and systemic effects of drugs.
- 23.06 List and evaluate effects of various factors on the action of drugs.
- 23.07 Discuss the methods of drug absorption.
- 23.08 Define and use relevant pharmacology terms.
- 23.09 Describe and discuss the apothecary and metric systems and convert between and within the systems.
- 23.10 Describe the various types of drugs and routes of administration.
- 23.11 Calculate fractional drug dosages.
- 23.12 State the advantages and disadvantages of subcutaneous, intramuscular, intravenous, and transtracheal injections.
- 23.13 Demonstrate the proper procedure for intramuscular, subcutaneous, intravenous piggyback, intravenous bolus, and transtracheal medication administration.
- 23.14 Demonstrate the proper procedure for withdrawing medication from a glass vial and a glass ampule.

