

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: EMS 2612L

COURSE TITLE: Paramedic Module II, Airway

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

COREQUISITE(S): None

CREDIT HOURS: 1

CONTACT HOURS/WEEK: 1

CONTACT HOUR BREAKDOWN:

Lecture/Discussion:	.5
Laboratory:	.5
Other _____:	

FACULTY WORKLOAD POINTS: .85

STANDARDIZED CLASS SIZE ALLOCATION: 6 (state requirement)

## CATALOG COURSE DESCRIPTION:

This course is lab module 2 in a sequence of instruction for EMT-paramedic. Instruction includes airway anatomy, ventilation management, and advanced airway procedures.

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. Respiratory Management - Anatomy and Physiology	2
A. Upper Respiratory Tract	
B. Lower Respiratory Tract	
C. Measures of Respiratory Function	
D. Exchange of Gases in the Lung	
E. Regulation of Respiration	
F. Modified Forms of Respiration	
G. Factors Altering Carbon Dioxide Levels in the Blood	
H. Factors Altering Oxygen Levels in the Blood	
II. Respiratory Management - Pathophysiology and Management of Respiratory Problems	3
A. Central Nervous System (CNS) Dysfunction	
B. Dysfunction of Spinal Cord, Nerves or Respiratory Muscles	
C. Airway Problems	
D. Problems Affecting Alveolar Function	
E. Pulmonary Embolism	
F. Hyperventilation Syndrome	
III. Techniques of Management	10
A. Oxygen Administration	
B. Adjunctive Equipment	
C. Demand Valve	
D. Suctioning	
E. Direct Laryngoscopy	
F. Endotracheal Intubation	
G. Esophageal Obturator Airway	
H. Chest Decompression with Catheter and with Catheter and Flutter Valve	
I. Use of Positive-End Expiratory Pressure (PEEP)	
J. Cricothyrotomy	
K. Transtracheal Jet Insufflation	

PROGRAM TITLE: Emergency Medical Services -  
Associate's Degree

COURSE TITLE: Paramedic Module 2, Airway

CIP NUMBER: 0317.020601

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S):            TITLES(S):

20.0 DEMONSTRATE GENERAL PATIENT ASSESSMENT AND INITIAL MANAGEMENT—The student will be able to:

- 20.03 Describe the anatomy, physiology and pathophysiology of the airway and lungs and their anatomical structures.
- 20.04 Describe the use of adjuncts in airway management.
- 20.05 Describe advanced methods of airway management.
- 20.06 Explain the significance of protection of the cervical spine in airway management.
- 20.07 Explain pulmonary ventilation and gas exchange across the alveolar-capillary membrane.
- 20.08 Describe the pathophysiology of open and closed pulmonary injuries.
- 20.09 Discuss the techniques for evaluating effectiveness of ventilation.

21.0 MANAGE AIRWAY AND VENTILATION--The student will be able to:

- 21.01 Describe and discuss techniques of advanced airway management, to include intubation and surgical procedures.
- 21.02 Demonstrate methods of airway management on adult, child, and intact manikins both manually and with adjunctive equipment.
- 21.03 Demonstrate methods for assessing continued adequacy of airway management and ventilation when using advanced airway devices.
- 21.04 Demonstrate use of portable and fixed suction devices for oropharyngeal and tracheal suctioning.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

<b>Section 1</b>	
<b>COURSE PREFIX AND NUMBER:</b> <u>EMS 2612L</u>	<b>SEMESTER CREDIT HOURS:</b> <u>1</u>
<b>COURSE TITLE:</b> <u>Paramedic Module 2, Airway</u>	

**Section 2**

**TYPE OF COURSE: (Click on the box to check all that apply)**

<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input checked="" type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> PSAV	<input type="checkbox"/> Apprenticeship
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

**Section 3 (If applicable)**

**INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:**

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

**Section 4**

**INTELLECTUAL COMPETENCIES:**

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

<b>Section 5</b>	<b>LEARNING OUTCOMES</b>	<b>METHOD OF ASSESSMENT</b>
•	Demonstrate proper airway management techniques	Skills exams and quizzes
•	Demonstrate proper endotracheal intubation technique for adults and pediatric patients	Skills exams and quizzes
•	Demonstrate aseptic technique	Skills exams and quizzes
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**Section 6**

Name of Person Completing This Form: Marcie Heatherington                      Date: 10/30/2007