RCP155

Airways

1 Credit Hour

Prepared by:
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Respiratory Therapy Program Director

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RCP155 Airways

I. CATALOGUE DESCRIPTION
   A. Prerequisite – RCP130 Cardiopulmonary Pharmacology, RCP120 Respiratory Equipment and Noncritical Floor Care, RCP125 Respiratory Care Skills Lab I, RCP100 Introduction to Respiratory Care, RCP110 Cardiopulmonary Anatomy and Physiology- all courses must be completed with a grade of “C” or better

   B. Credit hour award – 1 hr.

   C. Description - Topics to be covered in this course include: Application and equipment for the management of the airway for the conscious and unconscious patient. Topics include: artificial airways, resuscitation devices, and secretion removal. (Su)

II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES

<table>
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<tr>
<th>Expected Learning Outcomes</th>
<th>Assessment Measures</th>
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<tbody>
<tr>
<td>Describe anatomical landmarks for various procedures in respiratory care</td>
<td>Class activity</td>
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<td>Homework</td>
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<td>Summative Exam</td>
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<tr>
<td>Demonstrate ability to maintain patent airway for any reason</td>
<td>Class activity/skill demonstration</td>
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<td>Homework</td>
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<td>Summative Exam</td>
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<td>Differentiate between modalities of airway maintenance and describe the specific application for each</td>
<td>Class activity</td>
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<td>Homework</td>
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<tr>
<td>Describe the steps for intubation and extubation</td>
<td>Class activity/skill demonstration</td>
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<tr>
<td>Apply techniques for all modalities of airway maintenance</td>
<td>Class activity</td>
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<td>Homework</td>
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<td>Summative Exam</td>
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<tr>
<td>Assess problems with an airway and apply the proper means of maintaining airway patency</td>
<td>Class activity/skill demonstration</td>
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<td>Apply documentation of actions needed and taken in the care of patient airways</td>
<td>Class activity</td>
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<td>Summative Exam</td>
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III. OUTLINE OF TOPICS
   A. Anatomy of the airway reviewed
   B. Airway clearance modes
      1. Suctioning
      2. Chest Physiotherapy
      3. Intermittent Pressure Ventilation
   C. Establishing artificial airways
1. Endotracheal tubes
2. Tracheotomy

D. Airway traumas
   1. External
   2. Internal

E. Artificial airway maintenance
   1. Equipment
   2. Humidification

F. Extubation
   1. Procedure
   2. Stoma’s

G. Alternative airway devices

H. Bronchoscopy

IV. METHOD(S) OF INSTRUCTION:
   A. Lecture
   B. Readings from textbook
   C. Supplemental handouts
   D. Classroom activities
   E. Participation in active learning by computer programs, games, and internet based activities.
   F. Peer interactive activities and discussions in classroom and online

V. REQUIRED TEXTBOOK(S)

VI. REQUIRED MATERIALS
   A. Course homepage available through jeffco.edu
   B. A computer with internet access (available through the Jefferson College Labs).
   C. Paper, notebooks, pens, pencils with erasers.

VII. SUPPLEMENTAL REFERENCES
   A. Class handouts
   B. Videos

VIII. METHOD OF EVALUATION (basis for determining course grade)
   A. Classroom activities 10%
   B. Homework 20%
   C. Summation examinations-comprehensive 60% - Final is worth at least 30% of total grade
D. Attendance 10%

E. Grading scale:
   A=92-100%
   B=86-91.9%
   C=80-85.9%
   D=70-79.9%
   F=0-69.9%

IX. ADA STATEMENT
   Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (Library; phone 636-797-3000, ext. 169).

X. ACADEMIC HONESTY STATEMENT
   All students are responsible for complying with campus policies as stated in the Student Handbook. Any student who cheats or plagiarizes will be subject to dismissal from the respiratory program and will be referred to the college for disciplinary action. (see College website, http://www.jeffco.edu/jeffco/index.php?option=com_weblinks&catid=26&Itemid=84)