

**SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
RESPIRATORY CARE
Created Date: 11/25**

I. CATALOG DESCRIPTION

Course Number: RESP 1171
Course Title Respiratory Exam Review
Prerequisite(s):

Catalog Description: Preparatory course for the NBRC exams. Self-assessment exams for the CRT and RRT will be utilized. Practice information-gathering and decision-making in a variety of selected respiratory care scenarios.

Credit Hours: 2
Class Hours: 30
Lab Hours: 0
Total Contact Hours: 30

II. COURSE OBJECTIVES: *Course will:*

1. Review clinical data.
2. Review respiratory care equipment.
3. Review therapeutic modalities.
4. Practice and analyze TMC self-assessment exams.
5. Learn the process of information and decision-making through the application of practicing clinical simulations in the laboratory setting.
6. Evaluate the SAE (Self-Assessment Examination) offered through the NBRC.
7. Evaluate and expand your critical thinking and decision-making skills in practicing clinical simulations to prepare for the NBRC examination.
8. Expand your knowledge and decision-making in cardiopulmonary pathology through the process of clinical simulations in the laboratory setting.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Students will be able to:*

1. Pass the Respiratory Therapy exam (RTE).

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO #3: Critical Thinking & Problem Solving

Outcomes:

- 1) Collect, identify, interpret and analyze data.
- 2) Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE

A. DATA

1. Patient Assessment
2. Bedside Respiratory Monitoring
3. Pulmonary Laboratory
4. Clinical Laboratory
5. Bedside Hemodynamic Monitoring
6. Radiographic Monitoring

7. Perinatal/Neonatal Assessment
8. Analyze Data and Determine Plan

B. EQUIPMENT

1. Resuscitation Devices
2. Oxygen Delivery Devices
3. Aerosol Generators and Humidification Equipment
4. Respiratory Support Equipment
5. Ventilator Systems and Support Accessories
6. Monitoring, Analyzing, and Testing Devices
7. Sterilization

C. THERAPY

1. Removal of Bronchopulmonary Secretions
2. Respiratory Pharmacologic Agents
3. Ensuring Adequate Ventilation
4. Mechanical Ventilation of Adults
5. Mechanical Ventilation of Neonates
6. Monitoring of Blood Gases
7. Achieving Adequate Oxygenation
8. Cardiovascular Monitoring
9. Pulmonary Rehab and Home Care
10. Pulmonary Rehab and Home Care
11. Assistance with Special Procedures
12. Record Maintenance and Documentation

D. SELF-ASSESSMENT

1. TMC Self-Assessment Exam

E. ADULT ACUTE/TRAUMA CARE

1. Mechanical Ventilation (COPD)
2. MVA
3. Chest Trauma
4. Drug Overdose
5. MI/CPR
6. Smoke Inhalation
7. Multiple Trauma
8. Head Trauma

F. ADULT MEDICAL BATTERY

1. Cardiogenic Pulmonary Edema
2. ARDS
3. Status Asthmatics
4. Asthma
5. CHF

G. PEDIATRIC BATTERY

1. Acute Epiglottitis
2. Pediatric Asthma
3. Near Drowning

H. NEONATAL BATTERY

1. RDS in Neonates
2. Risk of Meconium Aspiration
3. Premature Neonate
4. Post-Natal Complications
5. Congenital Diaphragmatic Hernia

I. MISCELLANEOUS

1. Ventilator Weaning
2. Postop Complications
3. Myasthenia Gravis
4. Guillain-Barre
5. Diabetes/Ketoacidosis

J. CSE-SAE

V. INSTRUCTIONAL MATERIALS REQUIRED

A. Required Text(s):

1. Kettering National Seminars, Comprehensive Review Study Guide
2. Kettering National Seminars, Comprehensive Review Workbook
3. Kettering National Seminars, Comprehensive Review Simulation Workshop Lecture Notes

B. Other Resources: Computer Simulations Internet access Egan's Comprehensive Perinatal & Pediatric Respiratory

VI. Outside Reading/Research required:

Independent review of each topic is expected.

VII. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Computerized Clinical Simulations
2. Projects/Assignments
3. PowerPoint presentations
4. Unit outlines
5. Discussions

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include:

A combination of assignments, quizzes, exam, projects, skill checkoffs, etc.

Please see course information document for course policies related to grading, expectations, assignments, assessments, and participation.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

A. ATTENDANCE

Attendance is crucial to the success of this course. Any class missed could mean valuable missed information, which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late. Absences in excess of four hours may result in failing the course.

B. Must pass all program courses with a C+ to progress to the next term.