

**Bossier Parish Community College**  
**Master Syllabus**

**Course Prefix and Number:** RSTH 210

**Credits Hours:** 2

**Course Title:** Clinical Applications and Procedures I

**Course Prerequisites:** RSTH 202, RSTH 203

**Course Description:**

Clinical experience in respiratory care procedures with emphasis on routine general, floor/ward care, to include modalities such as oxygen therapy, use of aerosol, humidity devices, and bronchial hygiene techniques. Supplement or adjunct lab sessions as needed. Hospital practicum (minimum 168 hours). Enrollment in Respiratory Therapy courses is limited to students who have applied, been interviewed and have been selected for the Respiratory Therapy clinical program.

**Learning Outcomes:**

At the end of this course the student will:

- A. perform respiratory care procedures routinely prescribed in a general ward/ floor care-level setting in an acute care environment;
- B. prescribe appropriate respiratory care indicated by information obtained from patient assessment and available diagnostic values;
- C. modify respiratory care interventions according to patient performance; and
- D. communicate effectively in the clinical environment.

To achieve the learning outcomes, the student will

- 1. administer, monitor, and document oxygen therapy delivered by nasal cannula, simple mask, venturi mask, non-breather, and partial breather. (A, B, C)
- 2. attach regulator to cylinder. (A)
- 3. measure delivered FI02 with oxygen analyzer. (A)
- 4. perform oxygenation assessment with pulse oximetry. (A, B)
- 5. administer, monitor, and document aerosol therapy by the following modalities: aerosol mask, face tent, tracheostomy mask, and mist tent. (A, B, C)
- 6. obtain and evaluate patient blood pressure. (A, B, C)
- 7. obtain and evaluate patient heart rate. (A, B, C)
- 8. evaluate chest x-ray. (B, C)
- 9. assess patient pulmonary status by inspection and auscultation. (A, B, C)
- 10. administer, monitor, and document medicated aerosol treatment via HHN and MDI. (A, B, C)
- 11. administer, monitor, and document CPT and PD treatment. (A, B, C)
- 12. administer, monitor, and document IPPB treatment. (A, B, C)
- 13. administer, monitor, and document incentive spirometry treatment. (A, B, C)

14. assemble and maintain respiratory therapy equipment. (A, B, C)
15. participate in cleaning and/or sterilization of respiratory therapy equipment. (A, B, C)
16. completion of a minimum of 168 hours of supervised clinical practice (A, B, C)
17. discuss patient conditions and administer most efficient therapy (B, C)
18. verify patient orders according to hospital policy (A, C)
19. recommend changes in patient position to improve therapy (B, C)
20. demonstrate competency in the performance of: (A, B, C)

#### **OXYGEN**

- a. Nasal Cannula
- b. Simple Face Mask
- c. Partial Rebreather Mask
- d. Venturi Mask
- e. Non-Rebreather Mask
- f. Oxygen Analyzers
- g. Blenders
- h. Oxygen Concentrator
- i. Portable Oxygen System

#### **HUMIDITY AND AEROSOL THERAPY**

- a. Bubble Humidifier
- b. Large Volume Nebulizer
- c. Small Volume Nebulizer
- d. T-Piece/Trach Collar
- e. Oxyhood
- f. MDI
- g. DPI
- h. Sputum Induction

#### **PULMONARY HYGIENE AND HYPERINFLATION THERAPY**

- a. Chest Physical Therapy
- b. Postural Drainage
- c. Percussion and Vibration
- d. Coughing and Deep Breathing
- e. IPV
- f. Incentive Spirometry
- g. IPPB
- h. PEP

#### **CARDIOPULMONARY RESUSCITATION & MISCELLANEOUS**

- a. Ventilation
- b. Compression
- c. Chest X-Ray Interpretation

#### **ARTIFICIAL AIRWAY MAINTENANCE**

- a. Nasal-Tracheal Suction
- b. Artificial Airway Suction
- c. Manual Self-Inflation
- d. Nasopharyngeal airway
- e. Oropharyngeal airway

#### **BLOOD GASES**

- a. Arterial Puncture
- b. ABG Analysis

#### **DIAGNOSTIC & ASSESSMENT PROCEDURES**

- a. Pulse Oximetry
- b. EKG
- c. Vital Signs
- d. Auscultation
- e. Percussion
- f. Palpation

**Course Requirements:** To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- minimum average of 70% on student clinical evaluations
- completion of a minimum of 168 clinical contact hours
- successful performance of clinical competencies
- good standing with clinical policies and the Patient Bill of Rights
- successful completion of written case study along with case study presentation

#### **Course Grading Scale:**

- A- 90% or more of total possible points and a minimum of 70% average on clinical evaluations and successful performance of clinical competencies while completing required clinical hours and maintaining good standing with regard to clinical policies as well as successful completion of written case study along with case study presentation
- B- 80% or more of total possible points and a minimum of 70% average on clinical evaluations and successful performance of clinical competencies while completing required clinical hours and maintaining good standing with regard to clinical policies as well as successful completion of written case study along with case study presentation
- C- 70% or more of total possible points and a minimum of 70% average on clinical evaluations and successful performance of clinical competencies while completing required clinical hours and maintaining good standing with regard to clinical policies as well as successful completion of written case study along with case study presentation
- D- 60% or more of total possible points or less than a 70% average on clinical evaluations or unsuccessful performance of clinical competencies or failure to complete required clinical hours or failure to maintain good standing with regard to clinical policies as well as unsuccessful completion of written case study along with case study presentation
- F- less than 60% of total possible points or less than a 70% average on clinical evaluations or unsuccessful performance of clinical competencies or failure to complete required clinical hours or failure to maintain good standing with regard to clinical policies as well as unsuccessful completion of written case study along with case study presentation

#### **Attendance Policy:**

The college attendance policy, which is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and

clinical courses because of the nature of those courses.” The attendance policy of the Respiratory Therapy program is described in the Respiratory Therapy Clinical Handbook.

**Course Fees:** This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, certification exams and/or clinical fees.

**Nondiscrimination Statement**

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111

318-678-6511

[acao@bpcc.edu](mailto:acao@bpcc.edu)

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

6220 East Texas Street

Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by Jennifer Anderson, April 2019