BUTTE COLLEGE
COURSE OUTLINE

I. **CATALOG DESCRIPTION**

RT 115 - Clinical Preparation for Respiratory Care **0.75 Unit(s)**

Prerequisite(s): RT 110, ENGL 2, CMST 2 or CMST 4
Recommended Prep: NONE

Transfer Status: NT
36 hours Lab

This course is an introduction to the basic concepts of clinical respiratory care as practiced in the acute care hospital. Students will become conversant with bedside examination, monitoring, and care of medical / surgical and respiratory disease patients.

II. **OBJECTIVES**

Upon successful completion of this course, the student will be able to:

A. Demonstrate appropriate patient interaction, assessment and treatment skills used in bedside respiratory patient care at the basic level.
B. Demonstrate minimal competency levels in Hand washing, Isolation and Infection Control Procedures, Vital Signs Assessment. Oxygen Supply Systems. Oxygen Administration, Small Volume Nebulizer (SVN) Therapy, Incentive Spirometry, Pulse Oximetry, Cough Techniques and Effectiveness, and Patient safety, positioning, and operation of hospital beds
C. Recognize and describe the components of a medical chart, and be able to recall the proper procedure for charting and reporting a respiratory care treatment.
D. Demonstrate the proper procedure for using a syringe to draw up respiratory care medication.
E. Describe the correct procedure for respiratory care medication administration, including the "Six Rights".
F. Recognize the sounds associated with normal and abnormal breath sounds.

III. **COURSE CONTENT**

A. **Unit Titles/Suggested Time Schedule**

Lab

Topics	Hours
1. Introduction Vital Signs, Blood Pressure	6.00
2. Review SVN, Oxygen Therapy	4.00
3. Pulse Oximetry	4.00
4. Infection Control and Isolation	4.00
5. Coughing and Breathing Exercises	4.00
6. Safe Lifting/Movement of Patients Fire and Electrical Safety	4.00
7. Medical Charting	3.00
8. Breath Sound Assessment	3.00
9. Medication Administration	4.00
Total Hours	36.00

IV. **METHODS OF INSTRUCTION**

A. Lecture
B. Instructor Demonstrations
C. Class Activities
D. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
E. Discussion
F. Demonstrations
G. Reading Assignments
H. Multimedia Presentations
I. Laboratory Experiments

V. **METHODS OF EVALUATION**

A. Quizzes
B. Demonstration
C. Lab Projects
D. Final Examination
E. Practical Evaluations
F. Direct observation of the students' bedside patient assessment and care.

VI. **EXAMPLES OF ASSIGNMENTS**

A. Reading Assignments
   1. Read the assigned reading for Pulse oximetry in preparation for classroom and laboratory practice in obtaining an Sp02.
   2. Read the assigned reading for Vital signs in preparation for classroom discussion and laboratory practice of pulse rate, respiratory rate, blood pressure and temperature.

B. Writing Assignments
   1. After completing the assigned reading and classroom presentations on Pulse Oximetry, answer each item listed under the Pulse Oximetry Learning Objectives.
   2. After completing the assigned reading, classroom presentations, and laboratory practice on Vital Signs, answer each item listed under the Vital Signs Learning Objectives.

C. Out-of-Class Assignments
   1. Complete an Adult Daily Log for the procedures completed in the Vital Signs laboratory.
   2. Set up your student account in Data Arc by changing your Username and Password and by providing the required personal information under the My Info section.

VII. **RECOMMENDED MATERIALS OF INSTRUCTION**

Textbooks:

A. Cairo, J.M., et al. Mosby's Respiratory Care Equipment. 8th Edition. Mosby, 2010.
B. Scanlan, C., et al. Egan's Fundamentals of Respiratory Care. 9th Edition. Mosby, 2009.
C. Wilkins. Clinical Assessment in Respiratory Care. 6th Edition. Mosby, 2010.

Materials Other Than Textbooks:

A. Data Arc CD
B. AARC Clinical Practice Guidelines. Available at www.aarc.org

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