

Crafton Hills College Course Outline

1. **Discipline:** Respiratory Care
2. **Department:** Allied Health Services
3. **Course Title:** Clinical Refresher: Clinical Application I
4. **Course I.D.:** RESP 109AX2
5. **Prerequisite(s):** RESP 104
Corequisite(s): None
Departmental Recommendation(s): None
6. **Semester Units:** 1.75
7. **Minimum Semester Hours:**
Lecture: 13 Lab: 0 Clinic: 91 Field: 0

8. **Need for the Course:**

The course will provide students who passed RESP 104 with a grade of "C" or higher and who need to retake RESP 101, Fundamentals of Respiratory Care I; RESP 102, Fundamentals of Respiratory Care Skills I; and/or RESP 103, Pulmonary Assessment and Terminology, the opportunity to refresh, strengthen, and maintain clinical skills.

The course will provide students a safe and controlled environment to gain the necessary performance skills to practice respiratory care at an entry level. Students need to apply the theory learned in RESP 101, Fundamentals of Respiratory Care I; practice the skills learned in RESP 102, Fundamentals of Respiratory Care Skills I; and display a working knowledge of the terminology learned in RESP 103, Pulmonary Assessment and Pharmacology.

9. **Goals for the Course:**

This course is appropriate to the college's mission in that it gives students who have previously completed RESP 104 the opportunity to maintain and strengthen skills already learned while allowing them time to focus their studies on areas of a complete vocational education program leading to employment. Strengthened are the cognitive and psychomotor skills necessary to make students eligible for the entry-level examination process and successful practice at this level as a Respiratory Care Practitioner.

10. **Catalog Description:**

Continued clinical application of diagnostic techniques, equipment, medications, and procedures based on the national *Clinical Practice Guidelines* as well as local standards of practice. Follows the First-Year Clinical Syllabus under continuous direct supervision, to validate competence in the skills required to care for patients in a variety of healthcare settings. Offered for Credit or No Credit only. This course may be taken two times.

11. **Schedule Description:**

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Semester Effective: Fall 2005

Continued clinical application of diagnostic techniques, equipment, medications, and procedures based on the national *Clinical Practice Guidelines* as well as local standards of practice.

12. Entrance Skills:

A. Requisite Skills:

Upon entering this course, students must be able to:

In an actual patient-care setting, satisfactorily demonstrate mastery of 50% of the entry-level performance skills listed in the First-Year Clinical Syllabus (attached).

B. Recommended Skills: None

13. Course Objectives:

Upon satisfactory completion of the course, students will be able to:

In an actual patient-care setting, satisfactorily demonstrate mastery of 50% of the entry-level performance skills listed in the First-Year Clinical Syllabus (attached).

14. Representative Texts and Instructional Materials:

First-Year Clinical Syllabus (written by the Respiratory Care Department)

15. Course Content:

- A.** Adult Continuous Positive Airway Pressure/Bi-Level Positive Airway Pressure Set-Up
- B.** Aerosol Oxygen Therapy
- C.** Aerosolized Medication Therapy (Hand-held Nebulizer Treatment)
- D.** Arterial Blood Gas Analysis
- E.** Assembling Ventilator and Testing Function
- F.** Blood Pressure Measurement
- G.** Changing Ventilator Circuits
- H.** Chest Physiotherapy
- I.** Drawing Arterial Blood Gases from an Arterial Line
- J.** Electrocardiogram
- K.** Endotracheal Suctioning
- L.** Extubation
- M.** Incentive Spirometry
- N.** Initiation of Oxygen Therapy via Nasal Cannula
- O.** Intermittent Positive Pressure Breathing
- P.** Medical Gas Cylinders and Delivery Equipment
- Q.** Metered Dose Medication Administration
- R.** Minimal Leak Technique/Minimum Occluding Volume
- S.** Nasotracheal Suctioning
- T.** Patient Assessment
- U.** Setting Up a Non-Rebreathing Oxygen Mask
- V.** Setting Up a Partial Rebreathing Oxygen Mask
- W.** Setting Up a Simple Oxygen Mask
- X.** Setting Up a Venturi Mask
- Y.** Setting Up and Monitoring an Aerosol/Oxygen Tent
- Z.** Sputum Collection for Laboratory Analysis
- AA.** Taping Endotracheal Tube
- BB.** Tracheostomy Care
- CC.** Ventilating with a Resuscitation Bag

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DD. Ventilator Check and Flow Studies

16. Methods of Instruction:

- A. Lecture
- B. Reading assignments
- C. Guest lectures and demonstration of equipment and techniques as applied to patients in a variety of settings, using demonstration and return demonstration, before practice on a patient in the hospital setting

17. Assignments and Methods of Evaluation:

- A. A grade of "A" will be assigned to the students who:
 - 1. Average a 3.4 to 4.0 on all clinical rotation evaluations for the semester.
 - 2. Maintain an above-average or better attitude.
 - 3. Meet all attendance standards.
 - 4. Successfully complete all required clinical performance skills. (All required performance skills assigned each semester must be signed off to qualify for a letter grade.)
 - 5. Successfully complete one abstract (graded on a pass-fail basis).
- B. A grade of "B" will be assigned to students who:
 - 1. Average a 2.7 to 3.3 on all clinical rotation evaluations for the semester.
 - 2. Maintain an average or better attitude
 - 3. Meet all attendance standards.
 - 4. Successfully complete all required clinical performance skills. (All required performance skills assigned each semester must be signed off to qualify for a letter grade.)
 - 5. Successfully complete one abstract (graded on a pass-fail basis).
- C. A grade of "C" will be assigned to students who:
 - 1. Average a 2.0 to 2.6 on all clinical rotation evaluations for the semester.
 - 2. Maintain an average attitude.
 - 3. Meet all attendance standards.
 - 4. Successfully complete all required clinical performance skills. (All required performance skills assigned each semester must be signed off to qualify for a letter grade.)
 - 5. Successfully complete one abstract (graded on a pass-fail basis).
 - 6. Receive only one "fail" on all clinical evaluations during the course.
- D. A grade of "F" will be assigned to students who:
 - 1. Demonstrates an unacceptable attitude.
 - 2. Fail two separate clinical rotations during the course.
- E. A grade of Incomplete ("I") will be assigned to students who complete the semester (assuming he/she has a passing grade and average or above average attitude) if one or more of the following exists:
 - 1. All required clinical performance objectives are not completed.
 - 2. One abstract is not completed.

18. Distributed Education Methods of Instruction: None