

Crafton Hills College Course Outline

1. **Discipline:** Respiratory Care
2. **Department:** Allied Health Services
3. **Course Title:** Clinical Medicine I
4. **Course I.D.:** RESP 110X4
5. **Prerequisite(s):** None

- Corequisite(s):** None

Departmental Recommendation(s): It is highly recommended that a student, upon entering this class, be a Licensed Respiratory Care Practitioner in the State of California or be concurrently enrolled in Crafton Hills College's Certified Respiratory Therapist Program.

6. **Semester Units:** 1.5
7. **Minimum Semester Hours:**

Lecture: 24 Lab: 0 Clinic: 0 Field: 0

8. **Need for the Course:**

The Crafton Hills College Respiratory Care Program must comply with the standards of Committee on Accreditation for Respiratory Care as well as standards specified by the Respiratory Care Board of California for accreditation in order to be accredited. This course is one in a series of courses leading to a Certificate of Completion in the Certified Respiratory Therapist Program and will help prepare the student for employment as a Respiratory Care Practitioner.

This course will help the respiratory care students understand the pulmonary disease process they will encounter in the clinical setting. Because the lecture series is taught by area pulmonologists, both student and physician are expected to share one another's concerns regarding their patient care responsibilities.

Continuing education units are provided for those individuals not registered in the program but looking for professional development.

9. **Goals for the Course:**

This course is appropriate to the college's mission in that it is part of a complete vocational education program leading to employment. This is one in a series of courses integral to a complete vocational education program to train the Respiratory Care Practitioner. This series of courses and completion of an Associate Degree will provide students with the cognitive and psychomotor skills necessary to make them eligible for the entry-level examination process and successful practice at this level as a Respiratory Care Practitioner.

In addition, the course will help the student assess the clinical picture of pulmonary disease and provide a forum for communication between the student and community physicians.

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Last Updated: 02/07/05

Board Approved: 05/12/05

Semester Effective: Fall 2005

10. Catalog Description:

Selected topics related to the practice of cardiopulmonary medicine. Combination of lecture and case presentations provided by physicians who help define the clinical practice of pulmonary medicine. This course may be taken four times.

11. Scheduled Description:

Selected topics related to the practice of cardiopulmonary medicine.

12. Entrance Skills:

A. Requisite Skills: None

B. Recommended Skills: None

13. Course Objectives:

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

- A.** Identify the characteristics that define selected types of diseases and/or disorders
- B.** Determine if selected diseases and/or disorders are acute, chronic, obstructive, or restrictive
- C.** Determine if selected diseases and/or disorders are the result of oxygenation failure, ventilatory failure, or mixed failure
- D.** Identify and interpret characteristic arterial blood gases for selected diseases and/or disorders
- E.** Identify and evaluate typical chest physical findings for selected diseases and/or disorders
- F.** Identify the etiology and epidemiology for selected diseases and/or disorders
- G.** Identify and interpret typical or classic radiologic findings for selected diseases and/or disorders
- H.** Identify airway-care adjuncts, need for ventilation and/or oxygenation, and pharmacologic agents which may be anticipated in the management of selected diseases and/or disorders
- I.** Determine which complications might be encountered in providing respiratory care for selected diseases and/or disorders
- J.** Determine which weaning parameters should be monitored for selected diseases and/or disorders
- K.** Identify issues in medical ethics, especially as they relate to patient confidentiality, informed consent, and autonomy

14. Representative Texts and Instructional Materials:

Scanlan, C. L.; Wilkins, R. L.; and Stoller, J. K. (2003). Egan's Fundamentals of Respiratory Care (9/e). St. Louis, MO: Mosby, Inc.

A comprehensive medical dictionary

15. Course Content:

- A.** Definitions and classification of pulmonary disorders
- B.** Determination of acute/chronic status

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- C. Effect on oxygenation and/or ventilatory status
- D. Characteristic arterial blood gases of selected disorders
- E. Typical chest physical findings of selected disorders
- F. Etiology and epidemiology of selected disorders
- G. Radiologic findings of selected disorders
- H. Anticipated respiratory therapeutic procedures for selected disorders
- I. Anticipated complications of selected disorders
- J. Monitoring requirements during weaning
- K. Medical ethics

16. Methods of Instruction:

- A. Lecture
- B. Audio-visual presentation
- C. Case management

17. Assignments and Methods of Evaluation:

Written examinations 100% of the final grade

18. Distributed Education Methods of Instruction: None