Northland Community and Technical College

RESP 2212: Diagnostic Procedures

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites:
This course requires all three of these prerequisites
    RESP 1104 - Non Acute Resp Care
    RESP 1120 - Cardio Physiology-Asses (Minimum grade: 2.0 GPA Equivalent)
    RESP 1126 - Clinical I

Corequisites: None

MnTC Goals: None

This course includes introductory cognitive concepts and laboratory skills in pulmonary function testing, airflow measurement, arterial blood gas analysis, and chest radiography interpretation as well as preparation of a publishable paper. Prerequisites: RESP1104, RESP1120, RESP1126.

B. COURSE EFFECTIVE DATES: 05/27/2004 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Identify indications, equipment and practice physician assisted procedures.

2. List, interpret, perform and apply pulmonary function testing.

3. List, evaluate, perform and apply cardiopulmonary tests.

4. Interpret hematology results, chemistry / microbiology laboratory results.

5. Identify and explain special chest radiographic views and terms.

6. Exhibit courteous, ethical and professional behavior in class room settings.

7. Perform and explain preventive maintenance and quality control in the PFT and ABG lab.

8. List, describe and interpret electrocardiograms and basic hemodynamic values.

9. Perform, analyze and integrate information received from patient interview / history information, physical assess, laboratory values and radiographic result to recommend changes in the Care Plan based upon analysis and synthesis of the information.

10. Recommend nutritional changes.

11. Demonstrate group skills required to solve class projects.

12. Exhibit self-direction.

13. Integrate computerized data search into literature review.

14. Complete research paper.

15. Find sources through the internet and databases.

16. (ILO: 2) Make decisions based on diagnostic procedures and principles.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

Methods:

1. Exam, objective
2. Lab assignments
3. Group projects

G. SPECIAL INFORMATION

None noted