

LSC Use Only
Number: _____
Action: _____
Date: _____

UWUCC Use Only
Number: 92-28
Action: _____
Date: _____

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. Title/Author of Change

Course/Program Title: RESPIRATORY CARE SEMINAR I
Suggested 20 Character Course Title: R C SEMINAR I
Department: Allied Health Professions
Contact Person: William J. Malley/Helen Cunningham

II. If a course, is it being Proposed for:

X Course Revision/Approval Only
_____ Course Revision/Approval and Liberal Studies Approval
_____ Liberal Studies Approval Only (course previously has been approved by the University Senate)

III. Approvals

<u>Helen C. Cunningham</u> Department Curriculum Committee	<u>Helen C. Cunningham</u> Department Chairperson
<u>C. Sue Snyder</u> College Curriculum Committee	<u>Harold C. Wingard</u> College Dean *

Director of Liberal Studies
(where applicable)

Provost (where applicable)

*College Dean must consult with Provost before approving curriculum changes. Approval by College Dean indicates that the proposed change is consistent with long range planning documents, that all requests for resources made as part of the proposal can be met, and that the proposal has the support of the university administration.

IV. Timetable

Date Submitted
to LSC: Sept. 92
to UWUCC: Oct. 92

Semester to be
implemented: Spring 93

Date to be
published
in Catalog:
March 93

I. Catalog Description

RC 101 Respiratory Care Seminar I

**1 credit
1 lecture hour
0 lab hours
(1c-01-1sh)**

No prerequisites or corequisites

Introduces the student to the health care environment and specifically the respiratory care profession. Students will be required to visit a hospital respiratory care department and observe basic patient care procedures.

III. COURSE OUTLINE

(All major headings are presented in 2 hours and 10 minute blocks)

WEEK ONE

Respiratory Care as a Profession

1. Definition and Historical Perspective
2. Career and Educational Tracks and Opportunities
3. Advantages and Disadvantages of Health Careers
4. Future of Health Careers

WEEK TWO

The Cardiopulmonary System in Health

1. Pulmonary Anatomy
 - a. The Upper Airway
 - b. The Lower Airway
2. Pulmonary Physiology
 - a. Gas Exchange
 - b. Control of Ventilation

WEEK THREE

The Cardiopulmonary System in Disease

1. Clinical Signs and Symptoms of Disease
2. Infectious Diseases
3. Restrictive Diseases
4. Obstructive Diseases

WEEK FOUR

Vital Signs

1. Temperature
2. Pulse
3. Respirations
4. Blood Pressure

WEEK FIVE

Communication Skills

1. Role Playing
2. Effective vs. Ineffective
3. Personal Experiences
4. Group Discussion

WEEK SIX

The American Association for Respiratory Care/National Board for Respiratory Care

1. History
2. American Association for Respiratory Care (AARC)
3. National Board for Respiratory Care (NBRC)
4. Joint Review Committee for Respiratory Therapy Education Accreditation (JRCRTE)

WEEK SEVEN

Coming to Terms with the Health Care Environment

1. Psychology of Morbidity and Mortality
2. Death and Dying
3. Working in a Health Care Delivery System

IV. EVALUATION METHODS

Evaluation:

The student has the opportunity to earn 100 points during this seminar. Two multiple choice exams, with a possible 40 points each, are administered during week four and week seven. The number of test items vary but are weighted to equal 40 points if all items are answered correctly. Items are constructed from lecture materials presented prior to examination. Exams are not cumulative.

40 points	Exam #1
40 points	Exam #2
20 points	Respiratory Care Observation Form Completion (See Appendix A)

Grading Scale:

90 - 100 =	A
80 - 89 =	B
70 - 79 =	C
65 - 69 =	D
< 65 =	F

Students receive 20 points for hospital visitation and completion of Respiratory Care Observation Form.

V. REQUIRED TEXTBOOKS, SUPPLEMENTAL BOOKS AND READINGS

No textbook is required. A sample handout is attached.

VI. SPECIAL RESOURCE REQUIREMENTS

Each student is expected to schedule and complete a hospital visitation. Visits to Indiana Hospital are coordinated through the office of the Coordinator of the Allied Health Professions. Students may visit other hospitals approved by the Coordinator.

VII. BIBLIOGRAPHY

Chabner, D., Language of Medicine, 4th edition, W.B. Saunders, Philadelphia, PA, 1991.

DesJardins, T., Cardiopulmonary Anatomy and Physiology, Delmar Publishers,

Albany, NY, 1988.

Farzan, S., Concise Handbook of Respiratory Diseases, 3rd edition, Appleton and Lange, Norwalk, CT, 1992.

Malley, W., Clinical Blood Gases, W.B. Saunders, Philadelphia, PA, 1990.

McPherson, S.P., Respiratory Therapy Equipment, 4th edition, C.V. Mosby Company, St. Louis, MO, 1990.

Purtilo, R., Health Professional and Patient Interaction, 4th edition, W.B. Saunders, Philadelphia, PA, 1990.

**COURSE ANALYSIS QUESTIONNAIRE
RESPIRATORY CARE SEMINAR I**

Section A

Details of the Course

- A1 This course is proposed to provide freshmen respiratory therapy majors with an introduction to their designated major. In the past, respiratory therapy course content was not introduced until the junior year at West Penn Hospital in Pittsburgh. If students discovered respiratory care was not a suitable career for them, the hardship of relocating to IUP and Indiana to complete alternative degree requirements was very disruptive. This course also facilitates a discussion and information forum for all respiratory care majors.
- Prospective respiratory therapy majors can enroll in this course for the purpose of "career exploration".
- The credits for this course were taken from the block of 62 credits granted by West Penn Hospital.
- This course is not appropriate as a liberal studies elective.
- A2 The content of this course will remain part of the 62 credit hour load for which West Penn Hospital School of Respiratory Care is responsible.
- A3 The course is innovative in that introductory material is presented on campus much earlier in the curriculum and enables respiratory care majors to experience a "belonging" that is a recognized element of student retention and satisfaction.
- A4 Yes, the course has been offered as a Special Topics Course. Student and faculty evaluations of the course have been excellent. Respiratory Therapy majors for years have been suggesting a course such as this to meet their needs. The accreditation body for respiratory therapy programs (JRCRTE/CAHEA) has also indicated that this type of introductory course is very useful. The general response has been overwhelmingly positive.
- A5 This course is not designed for dual approval.
- A6 This course will not be available for variable credit.

- A7 This course is designed to enhance content unique to West Penn Hospital.
- A8 The accrediting body for respiratory therapy programs (JRCRTE/CAHEA) during West Penn Hospital's site visit recommended that we develop an "on campus" introductory course offering.

Section B **Interdisciplinary Implications**

- B1 This course will be team taught by each of the following individuals.

Coordinator of the Allied Health Professions, IUP
All full-time faculty of the Western Pennsylvania Hospital School of
Respiratory Care:
 Program Director
 Clinical Director
 Four Instructors

Early career exploration and identification with practicing professionals is necessary for career satisfaction. Students have the opportunity to meet the West Penn instructors and ask career or program related questions. As these faculty teach expanded versions of this content at West Penn this seminar affords students an opportunity to experience the varied methodologies and expectations of West Penn Hospital faculty.

- B2 It is not anticipated that any additional or corollary courses will be needed.
- B3 This course should not impact on other departments. The Dean, Associate Dean and Coordinator of Allied Health Professions are supportive of this course.
- B4 Seats are available to all students for this course. Placement at West Penn Hospital (junior year) is limited to available seats. Students must qualify academically for placement at West Penn Hospital (2.25 overall in mathematics and natural science).

Section C **Implementation**

- C1 Resources are sufficient to meet the needs of this course.
- a. West Penn Hospital faculty are already in place and responsible for teaching these credits under the clinical block. The Coordinator of Allied Health Professions provides one lecture for this block.
 - b. Classrooms/labs in Sally B. Johnson Hall were used in the evening

(5:00 - 7:20 p.m.) and worked well under the coordination of the Allied Health Professions Coordinator.

- c. Clinical equipment was brought from West Penn Hospital when needed. Audiovisual equipment was readily available at Johnson Hall.
- d. Laboratory and consumable goods are available through West Penn Hospital.
- e. Library books and brochures are available in the Department of Nursing and Allied Health Professions Reading Center, Johnson Hall to accommodate the students needs.
- f. West Penn Hospital faculty are reimbursed by the hospital for mileage to and from IUP for this course.

- C2 No grant fundings are associated with this course.
- C3 This course will be offered every year in the spring semester.
- C4 One section of this course will be offered at a time.
- C5 Thirty five to fifty students will be accommodated in this course.
- C6 There are no known recommended enrollment limits or parameters by professional societies.
- C7 Yes, this course will be a requirement. However, it will not affect the number of free electives since the credits will come from the block normally granted at West Penn Hospital. It will also not affect the 124-credit limits for department majors.

Section D **Miscellaneous**

Students who are unable to take this course on campus will be required to pass an equivalency exam for this course material while at West Penn Hospital. A syllabus and packet of handouts will be given to these students prior to the exam. Instructors will be available for consultation and review prior to the exam. A copy of the passed equivalency exam will be kept in the student's file and the grade will be submitted to the Registrar for posting to the academic record. One copy will be posted in student's file in the Office of Allied Health Professions.

APPENDIX

RESPIRATORY CARE OBSERVATION

Student Name _____

Hospital Site _____

Date _____

- | 1. Respiratory Treatments | Initials |
|----------------------------|----------|
| a. Drug Aerosol | _____ |
| b. Incentive Spirometer | _____ |
| c. Chest Physiotherapy | _____ |
|
 | |
| 2. Oxygen Set-ups | |
| a. Nasal Cannula | _____ |
| b. Aerosol Face Mask | _____ |
| c. Aerosol T-piece | _____ |
|
 | |
| 3. Ventilator Patient | |
| a. Suctioning | _____ |
| b. Arterial Blood Gas | _____ |
| c. Artificial Airway | _____ |
|
 | |
| 4. Diagnostics | |
| a. Blood Gas Analysis | _____ |
| b. Spontaneous Volume | _____ |
| c. Vital Signs Measurement | _____ |
| d. Pulmonary Function Test | _____ |
| e. EEG | _____ |
| f. EKG | _____ |
| g. Bronchoscopy | _____ |

Respiratory Care Practitioner

5. Address the following questions in regard to your hospital site observations:

a. What part of the observation experience did you find most difficult? Why?

b. What specific problem was present that required respiratory care in each of the 4 categories?
(If more than 1 procedure was observed, choose 1 patient in each category)

1. Respiratory Treatment: _____

2. Oxygen Set-Up: _____

3. Ventilator Patient: _____

4. Diagnosis: _____

c. What aspect of the respiratory care profession do you find most appealing?