

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

UWUCC Use Only
Number: 92-29
Action: _____
Date: _____

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. Title/Author of Change

Course/Program Title: Respiratory Care Seminar 2
Suggested 20 Character Course Title: R. C. Seminar 2
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 Smyth</u> College Curriculum Committee	<u>Paul E. Wenzel</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 201 Respiratory Care Seminar 2 1 credit
1 lecture hour
0 lab hours
(1c-01-1sh)

No prerequisites or corequisites

Introduces the students to the basic science and principles of respiratory care. Content will include cardiopulmonary physiology, pathology, and respiratory care techniques. The transition and adaptation of respiratory care majors as they relocate to the clinical setting at West Penn Hospital will also be discussed.

4. Treatment of Infectious Disease

WEEK TWO

Cardiopulmonary Terminology

1. Word Roots
2. Medical Prefixes
3. Medical Suffixes

WEEK THREE

Introduction to Respiratory Care Treatment Modalities

1. Drug Aerosols
2. Incentive Spirometry
3. Chest Physiotherapy
4. Metered Dose Inhalers

WEEK FOUR

Physical Assessment of the Respiratory System

1. Inspection
2. Palpation
3. Percussion
4. Auscultation

WEEK FIVE

Mechanics of Ventilation

1. Definitions
2. Components of Ventilation
3. Process of Ventilation
4. Work of Breathing

WEEK SIX

Introduction to Mechanical Ventilation

1. Ventilator Terminology
2. Types of Ventilators
3. Cycling Methods of Ventilators
4. Indications for Mechanical Ventilation

WEEK SEVEN

Patient Oxygenation

1. Physiology of Oxygenation
2. Monitoring Oxygenation
 - a. Arterial Blood Gases
 - b. Pulse Oximetry
3. Treating Oxygen Disturbances

IV. EVALUATION METHODS

Evaluation:

The student has the opportunity to earn 100 points during this seminar. Two multiple choice exams, with a possible 50 points each, are administered during week four and week seven. The number of test items vary but are weighted to equal 50 points if all items are answered correctly. Items are constructed from lecture material presented prior to examination. Exams are not cumulative.

50 points	Exam #1
50 points	Exam #2

Grading Scale:

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

V. REQUIRED TEXTBOOKS, SUPPLEMENTAL BOOKS AND READINGS

No textbook is required. A sample handout is attached.

VI. SPECIAL RESOURCE REQUIREMENTS

No special resources are required.

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 2**

Section A **Details of the Course**

- A1 This course is designed to introduce sophomore respiratory therapy majors to specific content related to their designated major and curriculum. Various therapeutic modalities used in the acute care setting are introduced. Close communication is maintained between therapist instructors from West Penn Hospital and IUP campus students.
- This course is designed specifically for respiratory therapy majors. This course also provides a discussion and information forum for all respiratory care majors.
- The credits for this course were taken from the block of 62 credits granted at 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 material formerly presented at West Penn Hospital, is presented on campus much earlier in the curriculum.
- 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 have for years been suggesting a course such as this to meet their on campus needs. 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 No other institutions of higher education offer a course such as this because there are very few baccalaureate programs with a curriculum sequence similar to ours.
- 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 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 sciences).

Section C **Implementation**

C1 Resources were sufficient for 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 has agreed to provide one lecture for this block.

b. Classrooms/Labs in Johnson Hall were used in the evening (5:00-7:20 p.m.) and worked out well under the coordination of the Coordinator

of Allied Health Professions.

- 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 Nursing Library at 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 the course will be offered at a time.

C5 Twenty 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 in the department majors.

Section D **Miscellaneous**

D1 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.