MAY 1 9 1937 UWUCC USE Only LSC Use Only Number: Number: Submission Date: Submission Date: Action-Date: Action-Date: CURRICULUM PROPOSAL COVER SHEET University-Wide Undergraduate Curriculum Committee CONTACT ١. Contact Person Rebecca L. Hartman, EdD, Coordinator Phone 357-3257 Nursing/Allied Health Professions PROPOSAL TYPE (Check All Appropriate Lines) 11. RT 331 Intro to Vent Mgt X COURSE Suggested 20 character title New Course* Course Number and Full Title Course Revision Course Number and Full Title Liberal Studies Approval + _ for new or existing course Course Number and Full Title RT 331 Introduction to Ventilator Management X Course Deletion __ Number and/or Title Change____ Old Number and/or Full Old Title New Number and/or Full New Tide Course or Catalog Description Change _ Course Number and Fuil Tide Track Minor PROGRAM: X Major New Program* Program Name X Program Revision* Respiratory Care Program Name Program Deletion* Title Change _____ New Program Name Approvals (signatures and date) III.

+Director of Liberal Studies (where applicable)

Provost (where applicable)

RECEIVED

RT 331

Part I. Curriculum Proposal Cover Sheet

Part II. Description of the Curriculum Change

1. Name of the course to be deleted.

RT 331 Introduction to Ventilator Management 1 credit 1 lecture hour 0 lab hours (1c-01-1sh)

2. Justification/Rationale for Deletion of RT 331.

Clinical sites for respiratory care students, that care for ventilator dependent patients, no longer replace the ventilator tubing on a daily basis. This change in policy is supported by studies that have been conducted and published by the Center for Disease Control (CDC) in conjunction with infection control standards. These studies, in conjunction with health care budgetary constraints, have significantly contributed to policy changes regarding the decreased frequency of ventilator tubing change.

Although it is essential that the respiratory care student be proficient when performing the function of changing ventilator tubing, much less emphasis and time is devoted to this task in the student's respiratory clinical environment. A separate course is, therefore, not warranted for this topic.

3. Affect on Existing Courses & Students Enrolled in Program.

Introductory theory, principles and techniques of ventilator management can be adequately covered in the equipment related, proposed, revised course, RT 329 Respiratory Care Equipment, without compromising the course or the student's proficiency of this competency. Semester hours are available in RT 329 Respiratory Care Equipment to adequately cover the additional topic of ventilator management due to a reduction/or elimination of specific content that no longer warrants the hours previously assigned. This is a result of advances in technology that have warranted the replacement and/or elimination of older equipment.

SYLLABUS

COURSE:

Introduction to Ventilator Management

DESCRIPTION:

This course is designed to establish competence in changing ventilator circuitry in the laboratory situation. Introductory principles, techniques and theory of ventilator application will also

be explored.

INSTRUCTOR:

Karen E. Blair, BS, RRT, CPFT

LECTURES:

Lectures are scheduled on Tuesdays from

3:00 - 4:30 p.m. during the final ten weeks of the term.

LABS:

Laboratory assignments will be made during the same hours as other

School of Respiratory Care Labs.

EVALUATION:

Performance Evaluation 67 percent

Written Exam 33 percent

All students must successfully pass the performance exam in order to pass the course. Failure of the performance exam on the first attempt requires repeating all components in a second evaluation. Students failing on the first attempt can receive no higher than a "C" grade in the course.

SCHEDULE

WEEK	DATE	LECTURE .	LAB	READING
6	Oct. 1	Introduction, Basic Principles of Mechanical Ventilation		Shapiro, pp.31,36-38, 74,76-77 331-332,336- 340,366-369, 379-387 McPherson, pp.8, 24
7	Oct. 15	Bear Ventilator Control Panel & Circuit	Oct.16	Bear Handout McPherson, pp. 491 507
8	Oct. 22	Bear Tubing Change	Oct. 23	Clinical Practice Guidelines pp. 48-51, 109-110
9	Oct. 29	Bear Trouble- Shooting	Oct. 30	Handout
- 10	Nov. 5	7200 Tubing Change	*Nov. 6	
11	Nov. 12	Written Exam	*Nov. 13	

* Weeks 10 & 11:

Practice Labs

** Weeks 12-14:

Performance Evaluations

^{***}All lectures will be held in room 614 for the entire semester. The School of Respiratory Care will post any classroom changes.

Numbe	ssion Date:	MAY 19 97 UWUCC USE Only Number: LIBERAL STUDIES Submission Date: Action-Date: App. 2/17		
CURRICULUM PROPOSAL COVER SHEET University-Wide Undergraduate Curriculum Committee I. CONTACT Contact Person Rebecca L. Hartman, EdD, Coordinator Phone 357-3257				
		llied Health Professions		
II. PROPOSAL TYPE (Check All Appropriate Lines)				
	XCOURSE	RT 427 Appl Pul Physiology Suggested 20 character title		
	New Course*	Course Number and Full Tide		
	Course Revision	Course Number and Full Tide		
	Liberal Studies App for new or existing			
•	X Course Deletion	RT 427 Applied Pulmonary Physiology Course Number and Full Title		
TUDIES	Number and/or Tit	Old Number and/or Full Old Tide		
AL S	Course or Catalog	New Number and/or Full New Tide Description Change Course Number and Full Tide		
BER	x PROGRAM:			
	X PROGRAM: New Program*			
		Program Name Respiratory Care Program Name		
	Program Deletion*	Program Name		
•	Title Change	Oki Program Name		
ш.	Approvals (signatures and	New Program Name Cu 7n = 4 - 10 - 97		
	Department Curriculum Committee Mora E. Sura College Curriculum Committee	5/7/97 Conlege Dean		

+Director of Liberal Studies (where applicable)

*Provost (where approache)

Part I. Curriculum Proposal Cover Sheet

Part II. Description of the Curriculum Change

1. Name of the course to be deleted.

RT 427 Applied Pulmonary Physiology 3 credit 3 lecture hour 0 lab hours (3c-01-3sh)

2. Justification/Rationale for Deletion of RT 427.

New course proposed RT 425 Clinical Case Studies includes content from RT 427 making RT 427 redundant.

3. Affect on Existing Courses & Students Enrolled in Program.

Deletion of RT 427 will not affect existing courses. It is a senior level core course but will be replaced with new proposed course RT 425. Clinical Case Studies. Students currently enrolled will not be affected since change will take place with new class.

Part III. Letters of Support

No letters are necessary.

APPLIED PULMONARY PHYSIOLOGY

COURSE DESCRIPTION

Various aspects of pulmonary physiology will be explored and applied to acid-base and blood gas analysis and interpretation. These will include physical concepts related to pulmonary gas exchange, quantitative and qualitative 02 transport, fluid-electrolyte and acid base homeostasis and ventilation perfusion matching. Total Cardiopulmonary homeostatis and its regulation will be emphasized. Arterial Blood Gases will be studied in detail concerning techniques, interpretations, standardization, application and therapeutic intervention.

COURSE OBJECTIVE

It is ultimately hoped that the student will develop and reinforce his knowledge of the physiology underlying gas exchange and A-B balance. Furthermore, the student will possess an awareness of the complex interrelationships which exist and apply his knowledge to the clinical diagnosis and appropriate therapeutic intervention of pathophysiological alterations in these areas. This knowledge, upon being integrated into a comprehensive ABG analysis technique will make the student more effective in clinical care of C-P disease.

COURSE RATIONALE

The effective administration of Respiratory Therapy requires an extensive knowledge of A-B balance and blood gas exchange. This is a complex subject requiring basic knowledge and integration of physical laws as well as respiratory, cardio-vascular and renal physiology. This information can best be understood by reviewing conceptual physiology and applying it to examples and the formulation of logical thought processes which emphasize key concepts.

SYLLABUS

COURSE: Applied Pulmonary Physiology

INSTRUCTOR: William J. MALLEY, MS, RRT

CREDIT: 4 TERM: Spring, 1986

LECTURE: Tuesday 12:00 p.m. - 2:00 p.m. Thursday 10:00 - 12:00 p.m.

EVALUATION: 4 Majors Exams 75% Cases/Questions 20% Discussion 5%

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OUTLINE *

- 1. Basics of Blood Gases
- 2. Technical Error in ABG's
- 3. Accuracy Check of ABG's
- 4. Overview of Oxygenation
- 5. External Respiration.
- 6. Assessment and Treatment of External Respiration
- 7. 0, Transport
- 8. Assessment and Treatment of External Respiration
- g 0, Transport
- 10. Recognition of Mixed Disturbances
- 11. Causes of Acid-Base Disturbances
- 12. Renal Function
- 13. Renal NaReabsorption
- 14. Electrolyte Balance
- 15. Treatment of Acid-Base Disturbances
- 16. CO, Transport
- 17. Metabolic Indices