

LSC Use Only  
Number: \_\_\_\_\_  
Submission Date: \_\_\_\_\_  
Action-Date: \_\_\_\_\_

03-7  
UWUCC USE Only  
Number: 02-1230  
Submission Date: Apr 8/26/03  
Action-Date: \_\_\_\_\_

CURRICULUM PROPOSAL COVER SHEET  
University-Wide Undergraduate Curriculum Committee

Sente Apr 9/19/03

I. CONTACT

Contact Person Jodell Kuzneski Phone 73257 or 77647  
Department Nursing and Allied Health Professions

II. PROPOSAL TYPE (Check All Appropriate Lines)

\_\_\_\_\_ 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  
\_\_\_\_\_ Course Deletion \_\_\_\_\_  
Course Number and Full Title  
\_\_\_\_\_ Number and/or Title Change \_\_\_\_\_  
Old Number and/or Full Old Title  
\_\_\_\_\_ \_\_\_\_\_  
New Number and/or Full New Title  
\_\_\_\_\_ Course or Catalog Description Change \_\_\_\_\_  
Course Number and Full Title

PROGRAM:  Major  Minor  Track  
\_\_\_\_\_ New Program\* \_\_\_\_\_  
Program Name  
 Program Revision\* Respiratory Care  
Program Name  
\_\_\_\_\_ Program Deletion\* \_\_\_\_\_  
Program Name  
\_\_\_\_\_ Title Change \_\_\_\_\_  
Old Program Name  
\_\_\_\_\_ \_\_\_\_\_  
New Program Name

III. Approvals (signatures and date)

Jodell Kuzneski 4-14-03  
Department Curriculum Committee  
Allied Health  
[Signature]  
College Curriculum Committee

Dr. Michele Kuzneski  
Department Chair  
[Signature] 4/15/03  
College Dean

+ Director of Liberal Studies (where applicable)

\*Provost (where applicable)

RECEIVED  
AUG 15 2003  
LIBERAL STUDIES

RECEIVED  
JUN 23 2003  
LIBERAL STUDIES

RECEIVED  
APR 15 2003

RECEIVED  
APR 24 2003

Gail Ssechui 8/26/03  
UWUCC Co-Chair

## Part II. DESCRIPTION OF CURRICULUM CHANGE

### 1A. Current Catalog Description of Respiratory Care

Respiratory therapists assist physicians in the care of patients who have respiratory system problems or illnesses that relate to breathing. Their assistance includes administering gaseous drugs and executing therapeutic procedures. Included are the operation and maintenance of specialized equipment.

The program leads to the Bachelor of Science degree in Respiratory Care. Presented jointly by IUP and the Western Pennsylvania Hospital in Pittsburgh, the program offers intensive theoretical and applied knowledge to produce highly skilled graduates who are prepared to enter the profession as therapists or instructors.

Two academic years of university studies, followed by two academic years of hospital studies and clinical practice, constitute the program. Students must earn a GPA of 2.25 in Natural Sciences and Mathematics courses to be considered for admission into the clinical years in Respiratory Care. However, since admission to the hospital is competitive, IUP cannot guarantee admission into the hospital program.

#### **Bachelor of Science--Respiratory Care**

**Liberal Studies:** As outlined in Liberal studies section with the following specifications: 45-47

**Humanities:** PHIL 222 recommended

**Mathematics:** MATH 105 or higher level

**Natural Science:** CHEM 101-102

**Social Sciences:** PSYC 101, SOC 151, non-Western course

**Liberal Studies electives:** One course, BTED/COSC/IFMG 101 recommended

**Synthesis:** not required

**Writing Intensive:** not required

#### **Major:**

62

#### **Required courses: (1) (2)**

RESP 101 The Profession of Respiratory Care	1sh
RESP 326 Respiratory Care Clinical Practice I	3sh
RESP 327 Pharmacology	3sh
RESP 328 Introduction to Respiratory Care	4sh
RESP 329 Respiratory Care Equipment	4sh
RESP 330 Cardiopulmonary Resuscitation	2sh
RESP 333 Respiratory Care Clinical Practice II	4sh
RESP 334 Respiratory Care Instrumentation and Application	4sh
RESP 335 Patient Care Skills	3sh
RESP 336 Cardiopulmonary Evaluation and Clinical Correlation	4sh
RESP 337 Introduction to Pulmonary Function Studies	1sh
RESP 425 Clinical Case Studies	3sh
RESP 426 Respiratory Care Clinical Practice III	5sh
RESP 428 Essentials of Electrocardiography	2sh
RESP 429 Design and Function of a Respiratory Care Program	2sh
RESP 430 Pulmonary Function Studies	3sh

RESP 431 Pediatric Respiratory Care	1sh
RESP 433 Respiratory Care Clinical Practice IV	5sh
RESP 434 Neonatal Respiratory Care	3sh
RESP 436 Respiratory Care Teaching	2sh
RESP 437 Methods in Critical Care	2sh
RESP 438 Cardiopulmonary Rehabilitation	1sh

**Other Requirements**

**17**

**Science courses:**

BIOL 105 Cell Biology	3sh
BIOL 150 Human Anatomy	3sh
BIOL 151 Human Physiology	4sh
BIOL 241 General Microbiology	3sh
PHYS 151 Medical Physics Lecture	3sh
PHYS 161 Medical Physics Lab	1sh

**Free Electives:**

0

**(#) Total Degree Requirements**

**124-126(1)**

- (1) Qualified students are encouraged to elect RESP 342 Preceptorship in Respiratory Care in which case total credits would be 126-130.
- (2) RESP 300- and 400-level courses are completed at Western Pennsylvania Hospital in Pittsburgh. The courses are consistent with the requirements of, and the program is accredited by, the Joint Review Committee for Respiratory Therapy Education.
- (#) See advisory paragraph "Timely Completion of Degree Requirements" in catalog section on Requirements for Graduation.

**1B. Revised Catalog Description of Respiratory Care**

The Bachelor of Science degree in respiratory care prepares the graduate for a career as a registered respiratory care practitioner. Respiratory care practitioners evaluate, treat, and care for people with breathing problems. They assist physicians in the evaluation and treatment of heart and lung disorders. Respiratory care practitioners are experts in the therapeutic use of medical gases, oxygen administration, pulmonary resuscitation, and artificial airways. They are employed in hospitals, extended care facilities, clinics, rehabilitation centers, physicians' offices, private companies providing home care services, and municipal organizations.

IUP and the Western Pennsylvania Hospital in Pittsburgh, Pennsylvania jointly offer this program. The program is fully accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in collaboration with the Committee on Accreditation for Respiratory Care (CoARC). The program consists of two academic years of pre-clinical studies (61 credits) on the main campus at IUP and two academic years (59 credits) of clinical study at the Western Pennsylvania Hospital School of Respiratory Care, Pittsburgh, PA. Students must earn a GPA of at least 2.25 in the required natural sciences and mathematics courses and an overall GPA of at least 2.0 to be considered for admission into the clinical years in respiratory care. However, since admission to the clinical years is competitive, IUP cannot guarantee admission. Upon graduation, graduates are eligible for certification (CRT) and registration (RRT) in respiratory care. The granting of the degree is not contingent upon passing the examinations. Graduates are prepared for graduate degrees that may lead to careers in administration, education, and medicine.

The Bachelor of Science degree in respiratory care is offered for Certified Respiratory Therapists (CRT) who are graduates of an accredited certificate or associate degree respiratory care program. CRT students will be awarded advanced standing (33 credits) based on prior academic work completed in a respiratory care program. Students fulfill degree requirements set by the university. This track is designed to prepare the certified respiratory therapist (CRT) to function in an advanced practice role.

Detailed information is available in the department office regarding requirements, such as health screening, liability insurance, legal clearance, and professional uniforms.

### **Bachelor of Science--Respiratory Care**

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 48

- Mathematics:** MATH 105 or higher level
- Natural Science:** CHEM 101-102
- Social Sciences:** PSYC 101, SOC 151, non-Western course
- Liberal Studies Electives:** 6cr, PHYS 151
- Synthesis:** not required
- Writing Intensive:** not required

**Major:** 59

**Required Courses: (1)**

RESP 101 The Profession of Respiratory Care	1cr
RESP 326 Respiratory Care Clinical Practice I	3cr
RESP 327 Pharmacology	3cr
RESP 328 Introduction to Respiratory Care	4cr
RESP 329 Respiratory Care Equipment	4cr
RESP 330 Cardiopulmonary Resuscitation	2cr
RESP 333 Respiratory Care Clinical Practice II	3cr
RESP 334 Respiratory Care Instrumentation and Application	4cr
RESP 335 Patient Care Skills	3cr
RESP 336 Cardiopulmonary Evaluation and Clinical Correlation	4cr
RESP 337 Introduction to Pulmonary Function Studies	1cr
RESP 425 Clinical Case Studies	3cr
RESP 426 Respiratory Care Clinical Practice III	4cr
RESP 428 Essentials of Electrocardiography	2cr
RESP 429 Design and Function of a Respiratory Care Program	2cr
RESP 430 Pulmonary Function Studies	3cr
RESP 431 Pediatric Respiratory Care	1cr
RESP 433 Respiratory Care Clinical Practice IV	4cr
RESP 434 Neonatal Respiratory Care	3cr
RESP 436 Respiratory Care Teaching	2cr
RESP 437 Methods in Critical Care	2cr
RESP 438 Cardiopulmonary Rehabilitation	1cr

**Other Requirements** 13

**Science courses:**

BIOL 105 Cell Biology	3cr
BIOL 150 Human Anatomy	3cr
BIOL 151 Human Physiology	4cr
BIOL 241 General Microbiology	3cr

**Total Degree Requirements** 120

(1) RESP 300 and 400 level courses are completed at Western Pennsylvania Hospital in Pittsburgh.

**Bachelor of Science—  
Respiratory Care/Certified Respiratory Therapist Track**

**Liberal Studies:** As outlined in the Liberal Studies section with the following specifications: **48**

**Mathematics:** 3cr

**Liberal Studies Electives:** 6cr

**Synthesis:** not required

**Writing Intensive:** not required

**Major:** **60**

**RESP credits via articulation (1)** **33**

**Required Courses (2)** **27**

RESP 425 Clinical Case Studies 3cr

RESP 426 Respiratory Care Clinical Practice III 4cr

RESP 428 Essentials of Electrocardiography 2cr

RESP 429 Design and Function of a Respiratory Care Program 2cr

RESP 430 Pulmonary Function Studies 3cr

RESP 431 Pediatric Respiratory Care 1cr

RESP 433 Respiratory Care Clinical Practice IV 4cr

RESP 434 Neonatal Respiratory Care 3cr

RESP 436 Respiratory Care Teaching 2cr

RESP 437 Methods in Critical Care 2cr

RESP 438 Cardiopulmonary Rehabilitation 1cr

**Free Electives:** 12

**Total Degree Requirements** **120**

(1) Students in the CRT track are exempt from the 100 and 300 level courses in the respiratory care major and will receive 33 credits for the certification.

(2) RESP 400 level courses are completed at Western Pennsylvania Hospital School of Respiratory Care in Pittsburgh, PA.

**2. Summary of changes:**

- Change in description of program
- Move PHYS 151 to the Liberal Studies elective category
- Delete PHYS 161 Medical Physics Lab as a requirement
- Remove PHIL 222 as recommended Humanities

- Remove BTED/COSC/IFMG 101 as recommended liberal studies elective
- Specify 6 credits of liberal studies electives
- Change the number of liberal studies requirements from 45-47 to 48
- Reduce the number of major required credits from 62 to 59 by revising RESP 333, 426, 433
- Change the number of credit hours for Other Requirements from 17 to 13
- Change the total number of credit hours from 124-126 to 120
- Add CRT Track

### 3. Rationale for the change:

Catalog description change reflects an updating of the program information and inclusion of CRT track.

Moving PHYS 151 Medical Physics Lecture to the LS elective category helps reach the 48 credit minimum in Liberal Studies requirements. This course is already approved as a Natural Science Non-laboratory course.

PHYS 161 Medical Physics Lab is deleted in order to meet the 120 credit minimum. PHYS 151 and 161 do not have to be taken together and successful completion of 151 is sufficient to meet accreditation requirements.

Removing PHIL 222 and BTED/COSC/IFMG 101 as recommended Humanities and liberal studies elective provides the student with an opportunity to select from a broader range of courses in these categories.

Reduction of one credit in RESP 333, 426, 433 is necessary to meet the 120 credit minimum. Clinical hours will remain sufficient to meet accreditation requirements.

#### **Rationale for new track:**

Historically, respiratory care practitioners have received the basic entry-level respiratory care education from three types of programs: an 18-month certificate program, a two-year associate degree program, or a baccalaureate degree program. The bachelor degree in respiratory care is the terminal degree in the profession. The Committee on Accreditation for Respiratory Care (CoARC) must accredit all programs. The 18-month and associate programs prepare entry-level practitioners who usually deliver respiratory care in hospital settings. The graduates of baccalaureate programs are not only prepared for entry-level positions, but also are prepared for advanced practice. The program at IUP offers students these advanced experiences during the final year of clinical study. Successful completion of any of the programs qualifies the graduate to sit for the certification examination in respiratory care practice. The National Board of Respiratory Care (NBRC) provides two levels of credentialing for the Respiratory Care practitioner: the entry-level credential, Certified Respiratory Therapist (CRT), and the advanced practitioner credential Registered Respiratory Therapist (RRT). Graduates from IUP's program are eligible to sit for both examinations upon graduation.

Currently CRTs who desire to earn the BS in respiratory care at IUP fulfill degree requirements set forth by the university and the department following the standard respiratory care curriculum sequence. This sequence was developed for students with no background in respiratory care. The academic requirements do not take into account those students with prior respiratory therapy education and relevant clinical experience. Subsequently, the CRT student may be required to enroll in courses that are repetitive to their previous educational experiences. The critical shortage of BS prepared respiratory therapists, and the national and local lack of specified tracks for the CRT makes

it logical to develop a special track at IUP. Therefore, this proposal provides for a distinct track for CRTs who are seeking to obtain the advanced practice BS degree.

**Part III. Implementation**

1. The change in requirements will be in effect beginning with students admitted in Spring 2004. Students in the program will be advised in a manner consistent with university procedures for phasing in the 120 curricula.
2. Faculty teaching loads will not be changed with this revision.
3. Resources are adequate for this change.
4. Student numbers are not expected to change because of this revision.

**Part IV. Course Proposals:** There are 3 course revision proposals.

**Part V. Letters of Support:** A letter from the chairperson in the Physics Department is attached.

Comparison of Current and Proposed Curricula:

Respiratory Care

Current	Cr	Proposed	Cr
<b>Liberal Studies:</b> as outlined in Liberal Studies section with the following specifications:	<b>45-47</b>	<b>Liberal Studies:</b> as outlined in Liberal Studies section with the following specifications:	<b>48</b>
<b>Humanities:</b> PHIL 222 recommended		<b>Mathematics:</b> MATH 105 or higher level	
<b>Mathematics:</b> MATH 105 or higher level		<b>Natural Science:</b> CHEM 101-102	
<b>Natural Science:</b> CHEM 101-102		<b>Social Sciences:</b> PSYC 101, SOC 151, Non-Western course	
<b>Social Sciences:</b> PSYC 101, SOC 151, Non-Western course		<b>Liberal Studies Electives:</b> 6cr, PHYS 151	
<b>Liberal Studies electives:</b> One course, BTED/COSC/IFMG 101 recommended		<b>Synthesis:</b> not required	
<b>Synthesis:</b> not required		<b>Writing Intensive:</b> not required	
<b>Writing Intensive:</b> not required			
<b>Major</b>		<b>Major</b>	
<b>Required Courses</b>	<b>62</b>	<b>Required Courses</b>	<b>59</b>
RESP 101 The Profession of Respiratory Care	1	RESP 101 The Profession of Respiratory Care	1
RESP 326 Respiratory Care Clinical Practice I	3	RESP 326 Respiratory Care Clinical Practice I	3
RESP 327 Pharmacology	3	RESP 327 Pharmacology	3
RESP 328 Introduction to Respiratory Care	4	RESP 328 Introduction to Respiratory Care	4
RESP 329 Respiratory Care Equipment	4	RESP 329 Respiratory Care Equipment	4
RESP 330 Cardiopulmonary Resuscitation	2	RESP 330 Cardiopulmonary Resuscitation	2
RESP 333 Respiratory Care Clinical Practice II	4	RESP 333 Respiratory Care Clinical Practice II	3
RESP 334 Respiratory Care Instrumentation and Application	4	RESP 334 Respiratory Care Instrumentation and Application	4
RESP 335 Patient Care Skills	3	RESP 335 Patient Care Skills	3
RESP 336 Cardiopulmonary Evaluation and Clinical Correlation	4	RESP 336 Cardiopulmonary Evaluation and Clinical Correlation	4
RESP 337 Introduction to Pulmonary Function Studies	1	RESP 337 Introduction to Pulmonary Function Studies	1
RESP 425 Clinical Case Studies	3	RESP 425 Clinical Case Studies	3
RESP 426 Respiratory Care Clinical Practice III	5	RESP 426 Respiratory Care Clinical Practice III	4
RESP 428 Essentials of Electrocardiography	2	RESP 428 Essentials of Electrocardiography	2
RESP 429 Design and Function of a Respiratory Care Program	2	RESP 429 Design and Function of a Respiratory Care Program	2
RESP 430 Pulmonary Function Studies	3	RESP 430 Pulmonary Function Studies	3
RESP 431 Pediatric Respiratory Care	1	RESP 431 Pediatric Respiratory Care	1
RESP 433 Respiratory Care Clinical Practice IV	5	RESP 433 Respiratory Care Clinical Practice IV	4
RESP 434 Neonatal Respiratory Care	3	RESP 434 Neonatal Respiratory Care	3
RESP 436 Respiratory Care Teaching	2	RESP 436 Respiratory Care Teaching	2
RESP 437 Methods in Critical Care	2	RESP 437 Methods in Critical Care	2
RESP 438 Cardiopulmonary Rehabilitation	1	RESP 438 Cardiopulmonary Rehabilitation	1
<b>Other Requirements</b>	<b>17</b>	<b>Other Requirements</b>	<b>13</b>
<b>Science Courses:</b>		<b>Science Courses:</b>	
BIOL 105 Cell Biology	3	BIOL 105 Cell Biology	3
BIOL 150 Human Anatomy	3	BIOL 150 Human Anatomy	3
BIOL 151 Human Physiology	4	BIOL 151 Human Physiology	4
BIOL 241 General Microbiology	3	BIOL 241 General Microbiology	3
PHYS 151 Medical Physics Lecture	3		
PHYS 161 Medical Physics Lab	1		
<b>Free Electives</b>	<b>0</b>		
<b>Total Degree Requirements</b>	<b>124-126</b>	<b>Total Degree Requirements</b>	<b>120</b>



**DEPARTMENT OF NURSING AND ALLIED HEALTH PROFESSIONS  
INDIANA UNIVERSITY OF PENNSYLVANIA**

Date: June 19, 2003

To: ✓ Mary Sadler, Director  
Liberal Studies

Gail Sechrist, Chair  
University-wide Undergraduate Curriculum Committee

From: Jodell L. Kuzneski, Coordinator  
Allied Health Professions



Subject: Respiratory Care Curriculum Revision

The curriculum for the Bachelor of Science program in respiratory care has been revised to meet the 120 credit requirement and is attached for review by the Liberal Studies Committee and the UWUCC. Consistent with recommendations from the LSC, the total credits in the major have been reduced from 62 to 59. BIOL 105 Cell Biology is still required but now listed in the "other requirements" category. I understand the proposal will be on committee agendas at the first meetings in the fall 2003 semester and hopefully advanced to the Senate for consideration at the meeting scheduled for September 9, 2003.

Mrs. Margaret Bellak will be the contact person for this proposal as she will be serving as the allied health coordinator while I am sabbatical. She can be reached at 357-2408 and by email at [mwbellak@iup.edu](mailto:mwbellak@iup.edu).

As per your recommendation, the most recent revisions in this proposal are advanced directly to the LSC and UWUCC. The faculty in the Department of Nursing and Allied Health Professions, the 02-03 chair of the College Curriculum Committee, and the college dean have been informed of the revisions and provided with copies of the current proposal. Thank you for your assistance in this process.

**Jodell Kuzneski**

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**From:** "Ken Hershman" <hershman@iup.edu>  
**To:** "Jodell Kuzneski" <kuzneski@iup.edu>  
**Sent:** Friday, April 11, 2003 7:50 AM  
**Subject:** Re: RESP curriculum revision

Jodie,

We are disappointed in your decision to drop PHYS 161 "Medical Physics Laboratory" from your requirements, but we understand and acknowledge your need to meet the 120 mandate.

Ken Hershman  
 Chairman  
 IUP Physics Department

----- Original Message -----

**From:** Jodell Kuzneski  
**To:** Ken Hershman  
**Cc:** Jodell Kuzneski  
**Sent:** Thursday, April 10, 2003 3:18 PM  
**Subject:** RESP curriculum revision

Ken,

I am ready to advance the curriculum revision proposal for the B.S. degree in Respiratory Care. This email is a follow up to our recent discussions about the revision and a request for a note of support or at least acknowledgement of the changes in physics requirements.

The respiratory care curriculum will continue to require PHYS 151 Medical Physics Lecture for all students. Regretfully, in order to reach the 120 credit minimum, there no longer is room in the program for PHYS 161 Medical Physics Lab.

I have discussed this at length with the faculty at West Penn Hospital School of Respiratory Care and we have been unable to come up with any other solution to this dilemma.

I am willing to work with you as you plan future semester schedules to anticipate the number of respiratory care students who will need PHYS 151.

Please let me know if you wish to discuss this further or if you have any questions. I would appreciate a note of support or acknowledgement at your earliest convenience.

Jodell