

Respiratory Care Annual Assessment Report Bachelor of Science Program (Degree Completion) 2009-10

I. Introduction

The Respiratory Care degree completion program matriculated the first class at Oregon Institute of Technology in September 2005 with 13 students. The program focuses on offering degree completion to registered respiratory therapists who hold an associate's degree. The program was modified during the 2008-09 academic year to offer more varied course work opportunities for students in the program pursuing different paths within the field of respiratory care.

II. Program Purpose, Objectives and Student Learning Outcomes

In view of the newly revised curriculum in the degree completion program, the faculty revisited the program purpose, objectives, and student learning outcomes in fall 2009. The current version is listed below.

Respiratory Care Program Purpose

The purpose of the Respiratory Care Degree Completion Program, a bachelor of science program, is to prepare graduates for upward and broadened mobility within the respiratory care profession.

Program Educational Objective

The program assists the students in achieving advanced professional goals.

Expected Program Learning Outcomes

Students in the program will demonstrate:

1. The ability to communicate effectively in oral, written and visual forms.
2. Advanced knowledge of management of respiratory care plans for adult, neonatal and pediatric patients.
3. The knowledge and skills necessary to obtain an additional credential or certification in an advanced practice.
4. Knowledge and skills in a specialized technical emphasis (advanced respiratory care, education, management, or polysomnography).
5. The ability to design and deliver instruction for undergraduate respiratory care students.

III. Three-Year Cycle for Assessment of Student Learning Outcomes

The following table shows the three-year plan for assessing individual student learning outcomes.

Student Learning Outcome	2009-10	2010-11	2011-12
1. The ability to communicate effectively in oral, written and visual forms.		●	
2. Advanced knowledge of management of respiratory care plans for patients.	●		
3. The knowledge and skills necessary to obtain an additional credential or certification in an advanced practice.	●		
4. Knowledge and skills in a specialized technical emphasis (advanced respiratory care, education, management, or polysomnography).			●
5. The ability to design and deliver instruction for undergraduate respiratory care students.		●	

Table 1. Respiratory Therapy Education Assessment Cycle

IV. Planned direct and indirect measures for 2009-10 SLOs

The respiratory care faculty met on in fall 2009 to discuss assessment for the academic year. The Student Learning Outcomes (SLOs) for the year were discussed and multiple places where these are taught and measured in the curriculum were identified, as shown in Appendix A.

PSLO #2: Advanced knowledge of management of respiratory care plans for patients.

The faculty assessed this learning outcome in RCP 442 Case Management/Credentials III in the spring 2010 term, using the final student respiratory care plan. There were only two students involved in the assessment, so the results should be viewed with this in mind. The faculty used the performance criteria listed below in Table 2.

Performance Criteria	Assessment Method	Measurement Scale	Minimum Acceptable Performance	Results
Identify clinical question	Faculty rating of respiratory care plan	1 to 4 proficiency scale	80% at 3 or 4	100%
Cite professional resources consulted regarding question	Faculty rating of respiratory care plan	1 to 4 proficiency scale	80% at 3 or 4	100%
Appropriately judges value of professional resources	Faculty rating of respiratory care plan	1 to 4 proficiency scale	80% at 3 or 4	100%
Compares and contrasts clinical experiences with literature resources	Faculty rating of respiratory care plan	1 to 4 proficiency scale	80% at 3 or 4	0%
Writes up research in required format	Faculty rating of respiratory care plan	1 to 4 proficiency scale	80% at 3 or 4	100%
Participates in peer review of clinical posts	Faculty rating of respiratory care plan	1 to 4 proficiency scale	80% at 3 or 4	100%

Table 2. Assessment results for PSLO #2, RCP 442, spring 2010

Students met performance criteria for identifying the clinical question, citing professional resources, appropriately judging the value of resources, writing up research in a required format, and participating in peer reviews of clinical posts.

Students did not meet one performance criterion—compares and contrasts clinical experiences with literature resources. Because there were only two students assessed, however, it is difficult to determine whether this is a program-level weakness. The faculty will re-examine this outcome when it is next assessed in the regularly scheduled assessment cycle.

PSLO #3. The knowledge and skills necessary to obtain an additional credential or certification in an advanced practice.

The faculty assessed this outcome by examining and compiling student credential registries or certificates in advanced practice. Of the four students in the program, three of them have met this learning outcome by passing national or advanced credential exams. This is now a requirement for graduation from the program, so the fourth student will complete this requirement by the time of graduation.

Appendix A-1
Student Learning Outcomes-Course Matrix
2009-10

PSLO #2. Advanced knowledge of management of respiratory care plans for patients.

Courses that are shaded below indicate that the SLO above is taught in the course, students demonstrate skills or knowledge in the SLO, and students receive feedback on their performance on the SLO.

I = Introduced
R = Reinforced
E = Emphasized

Course	Title	Emphasis
BIO 220	Cardiovascular Physiology	
BIO 336	Essentials of Pathophysiology	
CHE 210	Clinical Pharmacology	
COM 205	Intercultural Communication	
RCP 326	Disaster Preparedness	
RCP 440	Case Management/Credentials I	I
RCP 441	Case Management/Credentials II	R
RCP 442	Case Management/Credentials III	E
SPE 321	Small Group and Team Communication	
WRI 227	Technical Report Writing	
	Humanities elective	
	Social Science elective	
	Advanced Respiratory Care Studies: RCP 486, 487, 488	
	Education: AHEAD 450, 451, 452, 460	
	Management: BUS 316, 317	
	Polysomnography: PSG 221, 231	

Appendix A-2
Student Learning Outcomes-Course Matrix
2009-10

PSLO #3. The knowledge and skills necessary to obtain an additional credential or certification in an advanced practice.

Courses that are shaded below indicate that the SLO above is taught in the course, students demonstrate skills or knowledge in the SLO, and students receive feedback on their performance on the SLO.

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Course	Title	Emphasis
BIO 220	Cardiovascular Physiology	
BIO 336	Essentials of Pathophysiology	
CHE 210	Clinical Pharmacology	
COM 205	Intercultural Communication	
RCP 326	Disaster Preparedness	
RCP 440	Case Management/Credentials I	I
RCP 441	Case Management/Credentials II	R
RCP 442	Case Management/Credentials III	E
SPE 321	Small Group and Team Communication	
WRI 227	Technical Report Writing	
	Humanities elective	
	Social Science elective	
	Advanced Respiratory Care Studies: RCP 486, 487, 488	
	Education: AHEAD 450, 451, 452, 460	
	Management: BUS 316, 317	
	Polysomnography: PSG 221, 231	