Curriculum Committee

New Course Proposal

FLORIDA SOUTHWESTERN STATE COLLEGE

School or Division	School of Health Professions
Program or Certificate	Respiratory Care, AS
Proposed by (faculty only)	Sindee Karpel, Jean Newberry, Jeff Davis
Presenter (faculty only)	Jeff Davis
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	10/13/2016
Course prefix, number, and title	RET 2264 Advanced Mechanical Ventilation

Section I, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	RET 2234C, RET 2254C, RET 2714, and RET 2874L all with a grade of C or higher.
Provide justification for the proposed prerequisite(s).	Introduction to mechanical ventilation is provided in the courses listed as prerequisites above. In RET 2264, a more in-depth competency of mechanical ventilation is required.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	RET 2264L Mechanical Ventilation Lab
Provide justification for the proposed co-requisite(s).	A variety of clinical experiences are required to allow students to apply the didactic knowledge attained in the classroom.
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	Yes RET 2264 is a co-requisite for RET 2264L
Course credits or clock hours	4 credit hours
Contact hours (faculty load)	4 contact hours
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit

Course description (provide below)

In this course, students will learn the advanced theory and application of techniques for artificial mechanical ventilation, as well as ancillary forms of patient monitoring. The continued development of the application of the various modes of mechanical ventilation and their graphical analysis and ventilator synchrony are key concepts for the learner. The physiological and realistic formats for mechanical ventilation will be consistently contrasted throughout the course. This course provides a strong basis for student success on the Respiratory Care credentialing examination.

General topic outline (type in outline below)

- History of mechanical ventilation,
- Advanced steps in ABG evaluation for the management of ventilation
- Establishing the need for mechanical ventilation.
- Basics of ventilator graphics.
- Physiologic effects and complications of positive pressure ventilation.
- Noninvasive and Invasive monitoring of mechanically ventilated patients.
- Selecting initial parameters and settings.
- Basic patient assessment and methods to improve ventilation
- Methods to improve oxygenation
- Problems and troubleshooting the patient –ventilator system
- Weaning and discontinuation of mechanical ventilation
- Hemo-dynamic monitoring during mechanical ventilation
- Neonatal and pediatric ventilation
- Mechanical ventilation in long term care settings & the patient's home setting

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
Think-

- Demonstrate an advanced expertise for Mechanical Ventilators including; indications, contraindications, mode of operation, initial set up and timing of the I:E relationships.

- Demonstrate advanced expertise for monitoring and discontinuation of mechanical support.

2. Supplemental *General Education Competency or competencies*:
Evaluate-

- Demonstrate understanding of the diagnosis and treatment of various life threatening & emergency conditions that result concurrent with or due to mechanical ventilation

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ....
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile below (http://scns.fldoe.org/scns/public/pb_index.jsp).
INSTRUCTION IN FUNCTIONS OF ADVANCED RESPIRATORY EQUIPMENT, ARTERIAL BLOOD GAS EQUIPMENT INCLUDING ARTERIAL PRESSURE MONITORING, QUALITY CONTROL, PROLONGED MECHANICAL VENTILATION, BEDSIDE RESPIRATORY VOLUMETRIC SPIROMETRY EVALUATION PRIOR TO AND DURING WEARING FROM VENTILATOR, AND LABORATORY VALVES PERTINENT TO PATIENT CARE.

ICS code for this course	POSTSECONDARY VOCATIONAL (PSV) - 1.23.01 - HEALTH OCCUPATIONS
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	Yes Respiratory Care, AS
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	No
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits).	No

*Not the same as Multiple Attempts or Grade Forgiveness	
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	No
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	N/A
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	
N/A	

Section II, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Currently RET 2264C is taught as a combined lecture/lab course. Due to the complexity of the newer ventilators, simulation options, and to allow students more "hands-on" laboratory experiences, faculty has recommended the course be split into a separate lecture course, RET 2264, and a separate laboratory course, RET 2264L. Additionally, multiple laboratory sections could be offered to maintain appropriate student to instructor lab ratios per CoARC accreditation Standards.

Section III, Important Dates and Endorsements Required

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Sindee Karpel, Jean Newberry, Jeff Davis

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost's Office.

Term in which approved action will take place	Fall 2017
Provide an explanation below for the requested exception the submission deadline.	
N/A	

Any exceptions to the term start date requires the signatures of the Academic Dean or Associate Vice President and the Provost prior to submission.		
Dean or Associate Vice President	**Signature**	**Date**
Type name here		
Provost	**Signature**	**Date**
Dr. Jeff Stewart		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Jeff Davis/ Dr. J.B. Elsberry	10/4/2016
Academic Dean or Associate Vice President	Dr. Marie Collins	10/13/2016

Select Curriculum Committee Meeting Date	November 4, 2016

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☑ Approve ☐ Do not approve

Don Ransford

Curriculum Committee Chair Signature

11/09/2016

Date

☒ Approve ☐ Do not approve

Jeff Stewart

Provost Signature

11/9/16

Date

VPAA: Revised 11/11, 6/12, 6/13, 7/14, 8/15, 8/16