

# Course Proposals

List of all proposals

Course Name: Asthma Educator

Course Prefix: MSRT

Course Number: 6480

Submitted by (Name & E-Mail): Paul Eberle, peberle@weber.edu

Current Date: 10/30/2012

College: Health Professions

Department: Respiratory Therapy

From Term: Spring 2014

Substantive

new                      Current Course Subject N/A  
                                  Current Course Number

## New/Revised Course Information:

Check all that apply:

Subject:

*This is for courses already approved for gen ed.*

*Use a different form for proposing a new gen ed designation.*

Course Number: 6480

DV    CA    HU    LS    PS    SS

EN    AI    QL    TA    TB    TC    TD    TE

Course Title: Asthma Educator Specialty Credential

Abbreviated Course Title: Asthma Educator

Course Type: LEC

Credit Hours: 3 or if variable hours: to

Contact Hours: Lecture 45 Lab Other

Repeat Information: Limit 0 Max Hrs 0

Grading Mode: standard

This course is/will be:

- a required course in a major program
- a required course in a minor program
- a required course in a 1- or 2- year program
- elective

Prerequisites/Co-requisites:

Acceptance into MSRT program.

Course description (exactly as it will appear in the catalog, including prerequisites):

This course prepares the advanced-practice respiratory care practitioner (RCP) to optimally educate patients and family members of patients suffering with asthma. The course includes disease pathophysiology, assessment, pharmacology, classification, and management of asthma based on severity, emergency treatment and evaluation of treatment programs. This course will prepare the practitioner for a national asthma education certification examination (AE-C).

**Justification** for the new course or for changes to an existing course. (Note: Justification should emphasize academic rationale for the change or new course. This is particularly important for courses requesting upper-division status.)

Two national specialty credentials of five currently available are required for advanced-practice distinction for Master of Science degree in Respiratory Therapy.

**INFORMATION PAGE**  
for substantive proposals only

1. Did this course receive unanimous approval within the Department?

true

If not, what are the major concerns raised by the opponents?

2. If this is a new course proposal, could you achieve the desired results by revising an existing course within your department or by requiring an existing course in another department?

No, this course is an advanced course specific to respiratory therapists above the entry-level practitioner offered at the baccalaureate level.

3. How will the proposed course differ from similar offerings by other departments? Comment on any subject overlap between this course and topics generally taught by other departments, even if no similar courses are currently offered by the other departments. Explain any effects that this proposal will have on program requirements or enrollments in other department. Please forward letters (email communication is sufficient) from all departments that you have identified above stating their support or opposition to the proposed course.

No similar offerings at the institutional level and no perceived overlap.

4. Is this course required for certification/accreditation of a program?

no

If so, a statement to that effect should appear in the justification and supporting documents should accompany this form.

5. **For course proposals**, e-mail a syllabus to Faculty Senate which should be sufficiently detailed that the committees can determine that the course is at the appropriate level and matches the description. **There should be an indication of the amount and type of outside activity required in the course (projects, research papers, homework, etc.).**

**Please mail a signed approval page to the Faculty Senate Office, MA 210J, MC 1003.**

**COURSE SYLLABUS: ASTHMA EDUCATOR**  
**MSRT 6480**  
**(Semester) (Year)**

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***Instructor:*** Janelle Gardiner, MS, RRT, AE-C

***e-mail:*** jgardiner@weber.edu

***Office:*** MH 316

***Phone:*** (801) 626-7141

***Schedule:*** TBA

***Location:*** TBA

**REQUIRED TEXTS:** Fanta, C. H., Carter, E. L., Stieb, E. S., & Haver, K. E. (2007). The asthma educator handbook. New York, NY: McGraw-Hill.

Kettering National Seminars, Certified Asthma Educator (AE-C) study guide, workbook, quick reference guide, practice exam, and lecture CDs.

**PURPOSE:** The purpose of this course is to prepare the student to be an asthma educator. Upon successful completion of this course the student will be adequately prepared to become a certified asthma educator (AE-C ®) as offered through the National Asthma Educator Certification Board (NAECB). Included in the preparation for this exam will include the study of the following components of asthma: pathophysiology, assessment, management to include severity, emergency treatment, and pharmacology, and other asthma related issues.

**RATIONALE:** Asthma is a complex disease that requires a thorough understanding of the National Asthma Education and Prevention Program (NAEPP) III report for effective management and treatment. The NAEPP is administered through the National Heart, Lung, and Blood Institute (NHLBI). The overall goal of the program is to reduce asthma-related morbidity and mortality and to improve the quality of life for asthma patients. According to the Center for Disease Control and Prevention there are 18.7 million people with asthma. As of December 31, 2012, there are 4,420 Certified Asthma Educators credentialed through NAECB. There is a need to improve the knowledge, management and treatment of this disease.

**OBJECTIVES:** Each student will be able to demonstrate the following:

- 1) Describe the pathophysiology of asthma including types of asthma and triggers.
- 2) Identify signs and symptoms of asthma and appropriately classify asthma according to the severity of the disease.
- 3) Discuss the management of asthma in terms of initial control and maintenance control using the stepwise approach.

- 4) Create an asthma action plan for a patient to include appropriate classification, management, emergency treatment, and education.
- 5) State indications, dosing, and teaching tips for asthma related medications, including pharmacologic agents given via MDI, DPI, SVN, and PO.
- 6) Explain treatment variations as indicated to address patient needs including age, education level, cultural or religious values, language barriers, emotional barriers, physical or cognitive limitations, and motivation.
- 7) Perform an outcomes assessment of asthma education.
- 8) Perform above 75% in a nationally recognized specialty examination.

**ASSIGNMENTS:** There will be a quiz following each of the main sections for a total of six quizzes. Each one of them will be worth 50 points. You will be required to take a case study patient and create an asthma action plan for the patient. This will be worth 100 points. Throughout the course a discussion will take place with regard to the subject matter being covered. Participation in the discussion is required. Discussion will not take place in weeks when quizzes are scheduled or during the week when the asthma action plan is due. Therefore, you will participate in seven weekly discussions. Each discussion will be worth 25 points. At the conclusion of the course, the final exam will be to take the AE-C SAE. This will count for 150 points.

**GRADING:** Your grade will be determined by the percentage of possible points accrued during the semester as follows:

Quizzes:	300 pts
Action Plan:	100 pts
Discussion:	175 pts
Final:	<u>150 pts</u>
	725 pts

Your grade =  $\frac{\text{Your Points}}{\text{Total Possible Points}} = \% \text{ Grade}$

93.0 - 100 = A	81.0 - 83.9 = B-
90.0 - 92.9 = A-	78.0 - 80.9 = C+
87.0 - 89.9 = B+	75.0 - 77.9 = C
84.0 - 86.9 = B	< 75 = C-

All late assignments will be subject to a 5% penalty per day and will not be accepted after one week from the due date. A late exam will be subject to a reduction of one letter grade per day.

A "C" grade or better is required on each Respiratory Therapy didactic examination. Failure to achieve this grade on an examination will require remediation and a repeat of the examination within two weeks. A "C" grade is the highest attainable grade on any retake.

***STUDENTS WITH DISABILITIES:*** Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary.

***EXTRA CREDIT:*** Extra credit may be arranged through the instructor to improve by one letter grade and not to prevent failing the class. This will consist of a short paper written on a component of asthma. The paper will be written using APA format. This may be presented in class, coordinated with the "writing center" on campus, and turned in at the conclusion of the semester.