Course Discipline Code & No: UAT269	Title: Medical Gas		Effective Term SS08
Division Code: VCT		UASD	Org #:28200
Don't publish: College Catalog	√Time Schedule	□Web Page	
Reason for Submission. Check all that apply  New course approval  Three-year syllabus review/Assessment r  Course change		Reactivation of inactive co	
Change information: Note all changes that	at are being made. Fo	rm applies only to changes	noted.
Consultation with all departments affector required.  Course discipline code & number (was	rious course.	Distribution of contact hou lecture: lab Pre-requisite, co-requisite, co-req	clinical other) or enrollment restrictions d
Rationale for course or course change. Attordise is an existing course from the United As System throughout the year. This proposal is identifier for the course. Also, this new identition Approvals Department and divisional signature.  Department Review by Chairperson	sociation Instructor Trai to change the current U. fier will be used on stude es indicate that all depar	ning Program that is offered A course number "468" to "U ent registration forms and co- tments affected by the course	through the UA Regional Training JAT269" to reflect the new WCC urse calendars. e have been consulted.
			Date:
Print: Faculty/Preparer Print: Den Welch Department Chair	Signature Signature	). Welch	Date: 12/4/07
Division Review by Dean  Request for conditional approval			
Recommendation Yes No	Dean's/Administrator's S	Signature	Date
Curriculum Committee Review  Recommendation  Tabled  Yes No	Plan Van	halr's Signature	2/5/08 Date
Vice President for Instruction Approva	vice President's Signatur	g falus.	2/11/25 Date
Approval Yes No Condition	nal <i>U</i>		

Do not write in shaded area.

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on Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to siohn@wccnet.edu for posting on the website.

\*Complete ALL sections which apply to the course, even if changes are not being made. Course title: Course: Medical Gas UAT269 Are lectures, labs, or Grading options: Contact hours per semester: Credit hours: clinicals offered as Student Instructor P/NP (limited to clinical & practica) separate sections? If variable credit, give range: <u>45</u> S/U (for courses numbered below 100) Lecture: Yes - lectures, labs, \_\_\_\_\_ to \_\_\_\_ credits Lab: or clinicals are Letter grades Clinical: offered in separate Practicum: sections Other: No - lectures, labs, or clinicals are Totals: offered in the same section Prerequisites. Select one: No Basic Skills Prerequisite Reduced Reading/Writing Scores College-level Reading & Writing (College-level Reading and Writing is not required.) (Add information at Level 1 prerequisite) In addition to Basic Skills in Reading/Writing: Level I (enforced in Banner) Corequisites Min. Score Concurrent Test Grade Course Must be enrolled in this class Enrollment a lso during the same semester) Can be taken together) ☐ and ☐ or \_\_\_\_\_\_ and or \_\_\_\_ \_\_\_\_ and \_\_ or \_\_\_\_\_\_ Level II (enforced by instructor on first day of class) Min. Score Test Grade Course and or and or Enrollment restrictions (In addition to prerequisites, if applicable.) □ and □ or Admission to program required □ and □ or Other (please specify): □and □or Consent required Please send syllabus for transfer evaluation to: Conditionally approved courses are not sent for evaluation. Insert course number and title you wish the course to transfer as. \_\_\_\_\_ as \_\_\_\_\_ ☐ E.M.U. as \_\_\_\_\_ as \_\_\_\_\_ U of M as \_\_\_\_\_ \_\_\_\_\_ as \_\_\_\_\_ \_\_\_\_\_as \_\_\_\_\_

Course	Course title			
UAT269	Medical Gas			
Course description State the purpose and content of the course. Please limit to 500 characters.	This course covers methods of teaching about the codes and standards that govern medical gas, medical-surgical vacuum piping systems installation and testing, requirements for installer qualification, and requirements for brazer qualification in accordance with ASME Section IX. A written exam will be administered at the end of the course. General and specific information needed to develop local medical gas training programs throughout the UA will be provided. Limited to United Association program participants.			
Course outcomes	Outcomes	Assessment		
List skills and knowledge	(applicable in all sections)	Methods for determining course effectiveness		
students will have after taking the course.	Explain to apprentices and journey-people the central concepts and skills of medical gas.	Survey of UA training coordinators/supervisors.		
Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	2) Demonstrate to apprentices and journey-people the proper maintenance and repair procedures related to teaching medical gas.  Survey of UA training coordinators/super to teaching medical gas.			
	3) Utilize approved industry and UA course/training materials to teach medical gas.	Survey of UA training coordinators/supervisors.		
Course Objectives	Objectives	Evaluation		
Indicate the objectives that support the course	(applicable in all sections)	Methods for determining level of student performance of objectives		
outcomes given above.	Outcome 1:			
Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	- Identify how to work with instrument air supply systems, standby header, filters, and piping arrangements.	Exam consisting of multiple choice, true/false, fill in the blank, and short answer questions.		
	- Identify the components and features of different equipments, such as typical cylinder supply system and medical air compression system.	Exam consisting of multiple choice, true/false, fill in the blank, and short answer questions.		
	Outcome 2:			
	- Locate and shut off valves, pressure switches, and piping for medical gas systems.	Presentation and demonstration of learned course materials.		
	- Recognize basic assembly procedures for various vacuum source and gas-powered devices.	Presentation and demonstration of learned course materials.		
	Outcome 3:			
	- Demonstrate appropriate use and knowledge of course materials.	Presentation and demonstration of learned course materials.		

List all new resources nee	ded for course, including library materials.		
Student Materials:			R.C. A.J.
List examples of types	All course materials will be provided.		Estimated costs
Texts Supplemental reading			\$
Supplies Supplies			
Uniforms			
Equipment			
Tools			
Software			
Equipment/Facilities: Ch	neck all that apply. (All classrooms have overhead	projectors and permanent screens.)	
Check level only if the speci	fied equipment is needed for <u>all</u> sections of a	Off-Campus Sites	
course.		Testing Center	
Level I classroom		_	,
Permanent screen & ove	erhead projector	Computer workstations/lab	
Level II classroom		TTV	
Level I equipment plus	TV/VCR	TV/VCR	
		Data projector/computer	
Level III classroom	data projector computer faculty workstation	Other	

Assessment plan:

Learning outcomes to be assessed	Assessment tool	When assessment will take place (semester & year)	Course section(s)/other population	Number students to be assessed
(list from Page 3)  Explain to apprentices and journey-people the central concepts and skills of medical gas.	Survey of UA training coordinators/supervisors.	Spring 2009 for students enrolled in Summer 2008, and every three years thereafter.	All	75% of all students through random sampling who teach the topic the subsequent year, and minimum of 20 students.
Demonstrate to apprentices and journey- people the proper maintenance and repair procedures related to	Survey of UA training coordinators/supervisors.	Spring 2009 for students enrolled in Summer 2008, and every three years thereafter.	All	75% of all students through random sampling who teach the topic the subsequent year, and minimum of 20

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teaching medical gas.				students.
Utilize approved industry and UA course/training materials to teach medical gas.	Survey of UA training coordinators/supervisors.	Spring 2009 for students enrolled in Summer 2008, and every three years thereafter.	All	75% of all students through random sampling who teach the topic the subsequent year, and minimum of 20 students.

## Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric/scoring guide.

Students' training activities will be scored and evaluated on the survey questionnaires (see attached) of each of the three learning outcomes.

2. Indicate the standard of success to be used for this assessment.

Based on the number of students who teach the learned materials in the subsequent year, 75% of them will score an average of satisfactorily or above on the survey questionnaires to be completed by UA training coordinators/supervisors.

3. Indicate who will score and analyze the data (data must be blind-scored).

The UA Program Administrator will coordinate with UA training coordinators and the training department about the implementation of the assessment plan and the collection of data from UAT faculty, and will discuss the results with UAT faculty.

4. Explain the process for using assessment data to improve the course.

The assessment will be shared with the appropriate UA training coordinators, training department, and UAT faculty. The UA Program Administrator will solicit suggestions for improving the results and will work with UA training coordinators, the training department, and UAT faculty to make needed changes to improve course content and student performance.