MASTER SYLLABUS

Course Discipline Code & No: UAR170R   Title: The Residential Automatic Fire Sprinkler   Effective Term Fall 2009

Division Code: ___HAT___   Department Code: _____UA___   Org #: __28310

Don't publish: ☐ College Catalog   ☒ Time Schedule   ☐ Web Page

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Reason for Submission. Check all that apply.
☒ New course approval
☐ Three-year syllabus review/Assessment report
☐ Course change

☐ Reactivation of inactive course
☐ Inactivation (Submit this page only.)

Change information: Note all changes that are being made. Form applies only to changes noted.

☐ Consultation with all departments affected by this course is required.
☐ Course discipline code & number (was _____)*
   *Must submit inactivation form for previous course.
☐ Course title (was _____)
☐ Course description
☐ Course objectives (minor changes)
☐ Credit hours (credits were: _____)

☐ Total Contact Hours (total contact hours were: _____)
☐ Distribution of contact hours (contact hours were:
   lecture: _____ lab _____ clinical _____ other _____)
☐ Pre-requisite, co-requisite, or enrollment restrictions
☐ Change in Grading Method
☐ Outcomes/Assessment
☐ Objectives/Evaluation
☐ Other _____

Rationale for course or course change. Attach course assessment report for existing courses that are being changed.

Approvals Department and divisional signatures indicate that all departments affected by the course have been consulted.

Department Review by Chairperson   ☐ New resources needed   ☐ All relevant departments consulted

Print: Dan Welch   Signature (D. Welch)   Date: 11/11/09
       Faculty/Preparer

Print: Dan Welch   Signature (D. Welch)   Date: 11/11/09
       Department Chair

Division Review by Dean
☐ Request for conditional approval

Recommendation ☐ Yes ☐ No _____   _____
                          Dean's/Administrator's Signature   Date

Curriculum Committee Review
Recommendation _____
☐ Tabled ☒ Yes ☐ No _____   12/8/09
                      Curriculum Committee Chair's Signature   Date

Vice President for Instruction Approval
_____   12/10/09
        Vice President's Signature   Date

Approval ☒ Yes ☐ No ☐ Conditional

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

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*Complete ALL sections which apply to the course, even if changes are not being made.

Course: UAR170R	Course title: The Residential Automatic Fire Sprinkler

Credit hours: 2

If variable credit, give range:

_____ to _____ credits

Contact hours per semester:

	Student	Instructor
Lecture:	30	___
Lab:	___	___
Clinical:	___	___
Practicum:	___	___
Other:	___	___
Totals:	30	___

Are lectures, labs, or clinicals offered as separate sections?

☐ Yes - lectures, labs, or clinicals are offered in separate sections

☐ No - lectures, labs, or clinicals are offered in the same section

Grading options:

☐ P/NP (limited to clinical & practica)

☐ S/U (for courses numbered below 100)

☒ Letter grades

Prerequisites. Select one:

☒ College-level Reading & Writing ☐ Reduced Reading/Writing Scores ☐ No Basic Skills Prerequisite

(Add information at Level I prerequisite) (College-level Reading and Writing is not required.)

In addition to Basic Skills in Reading/Writing:

Level I (enforced in Banner)

	Course	Grade	Test	Min. Score	Concurrent Enrollment (Can be taken together)	Corequisites (Must be enrolled in this class also during the same semester)
	_____	__	_____	____	☐	_____
☐ and ☐ or	_____	__	_____	____	☐	_____
☐ and ☐ or	_____	__	_____	____	☐	_____
☐ and ☐ or	_____	__	_____	____	☐	_____

Level II (enforced by instructor on first day of class)

	Course	Grade	Test	Min. Score
☐ and ☐ or	_____	__	_____	_____
☐ and ☐ or	_____	__	_____	_____

Enrollment restrictions (In addition to prerequisites, if applicable.)

☐ and ☐ or Consent required   ☐ and ☒ or Admission to program required   ☐ and ☐ or Other (please specify):

Program: UA SF residential apprenticeship

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.

☐ E.M.U. as _____   ☐ _____ as _____

☐ U of M as _____   ☐ _____ as _____

☐ _____ as _____   ☐ _____ as _____

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Course UAR170R	Course title The Residential Automatic Fire Sprinkler

Course description	This course covers the various types of automatic fire sprinklers including their similarities and differences. Particular emphasis is placed on the selection of the proper sprinkler and the regulations covering the use of diverse types of heads. The course references current NFPA code books.
State the purpose and content of the course. Please limit to 500 characters.	This course is limited to United Association students.

Course outcomes	**Outcomes**	**Assessment**
List skills and knowledge students will have after taking the course.	(applicable in all sections)	Methods for determining course effectiveness
	Explain how sprinklers operate	JATC contractor members provide specifications detailing technical updates. Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.
Assessment method	Explain how evolving new sprinkler technology has affected the use of sprinklers	
Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	Identify regulations applicable to different types of sprinklers and the regulations governing each specific type of sprinkler	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.
	Explain how to recognize and install the proper sprinkler for each application	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.
	Explain how sprinklers are modified to address specific needs	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.
Course Objectives Indicate the objectives that support the course outcomes given above.	**Objectives** (applicable in all sections)	**Evaluation** Methods for determining level of student performance of objectives
Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	Objectives and evaluation methods follow the International Pipe Trades Curriculum Outline issued by the UA Training Department.	

List all new resources needed for course, including library materials.
No new resources, courses are taught at existing UA local training schools.

Student Materials:

List examples of types	UA local training schools provide all the necessary books and materials for the students.	Estimated costs
Texts Supplemental reading Supplies Uniforms Equipment Tools Software		$ 0

Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

Check level only if the specified equipment is needed for all sections of a course.	☐ Off-Campus Sites

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☐ Level I classroom Permanent screen & overhead projector	☐ Testing Center ☐ Computer workstations/lab
☐ Level II classroom Level I equipment plus TV/VCR	☐ ITV ☐ TV/VCR
☐ Level III classroom Level II equipment plus data projector, computer, faculty workstation	☐ Data projector/computer ☒ Other Taught at UA Local schools

Assessment plan:

Learning outcomes to be assessed (list from Page 3)	Assessment tool	When assessment will take place (semester & year)	Course section(s)/other population	Number students to be assessed
Explain how sprinklers operate	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. *	Feedback on technical updates is continuous and is part of monthly JATC advisory meetings. **	All	All
Explain how evolving new sprinkler technology has affected the use of sprinklers	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. *	Feedback on technical updates is continuous and is part of monthly JATC advisory meetings. **	All	All
Identify regulations applicable to different types of sprinklers and the regulations governing each specific type of sprinkler	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. *	Feedback on technical updates is continuous and is part of monthly JATC advisory meetings. **	All	All
Explain how to recognize and install the proper sprinkler for each application	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. *	Feedback on technical updates is continuous and is part of monthly JATC advisory meetings. **	All	All
Explain how sprinklers are modified to address specific needs	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. *	Feedback on technical updates is continuous and is part of monthly JATC advisory meetings. **	All	All

*JATC contractor members provide specifications detailing technical updates.
** Each local sets work periods for apprentice evaluation. At a minimum, apprentices are evaluated every six months.

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.

   Individual locals use apprentice feedback forms filled out by the employing contractor.

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

   The standard of success is set by the local JATC.

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

   The data is analyzed by the JATC as a committee.

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

   Results are initially shared with the training coordinator for the local. The training coordinator then works with appropriate instructor staff to make needed changes.