

Course Discipline Code & No: UAR166 Title: Installation of Sprinkler Systems Effective Term SS 2009
 Division Code: VCT Department Code: UA Org #: 28310
 Don't publish: College Catalog Time Schedule Web Page

Reason for Submission. Check all that apply.
 New course approval Reactivation of inactive course
 Three-year syllabus review/Assessment report Inactivation (Submit this page only.)
 Course change

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

<input type="checkbox"/> Consultation with all departments affected by this course is required.	<input type="checkbox"/> Total Contact Hours (total contact hours were: _____)
<input type="checkbox"/> Course discipline code & number (was _____)* *Must submit inactivation form for previous course.	<input type="checkbox"/> Distribution of contact hours (contact hours were: lecture: _____ lab _____ clinical _____ other _____)
<input type="checkbox"/> Course title (was _____)	<input type="checkbox"/> Pre-requisite, co-requisite, or enrollment restrictions
<input type="checkbox"/> Course description	<input type="checkbox"/> Change in Grading Method
<input type="checkbox"/> Course objectives (minor changes)	<input type="checkbox"/> Outcomes/Assessment
<input type="checkbox"/> Credit hours (credits were: _____)	<input type="checkbox"/> Objectives/Evaluation
	<input type="checkbox"/> 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 Faculty/Preparer Signature: D. Welch Date: 2/2/09
 Print: _____ Department Chair Signature: _____ Date: _____

Division Review by Dean
 Request for conditional approval
 Recommendation Yes No D. Welch Date: 2/2/09
 Dean's/Administrator's Signature

Curriculum Committee Review
 Recommendation Tabled Yes No Sara Veasey Date: 3/18/09
 Curriculum Committee Chair's Signature

Vice President for Instruction Approval
Roger M. Palay Date: 3/19/09
 Vice President's Signature

Approval Yes No Conditional

Do not write in shaded area.
 Log File 2/18/09 Ecopy Banner 3/20 C&A Database 3/20 C&A Log File 3/20 Basic skills Contact fee

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

<p>Course <u>UAR166</u></p>	<p>Course title: <u>Installation of Sprinkler Systems</u></p>	
<p>Course description State the purpose and content of the course. Please limit to <u>500</u> characters.</p>	<p>This course covers the installation regulations governing fire protection systems, which includes design, installation and testing. Other topics include the regulations with respect to piping, fittings, and other appurtenances for fire protection systems.</p> <p>This course is taught at United Association (UA) Training Centers throughout the United States and Canada. Enrollment is limited to apprentices accepted in to a UA training program.</p>	
<p>Course outcomes List skills and knowledge students will have after taking the course.</p> <p>Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.</p>	<p>Outcomes (applicable in all sections)</p> <p>After successfully completing this course, The student will be able to:</p> <ul style="list-style-type: none"> • Explain regulations as they apply to piping material, sizing, and arrangement in the various types of sprinkler systems; • Identify requirements for flushing, draining and testing piping; • protect installed sprinkler systems against freezing, corrosion, and earthquake damage; • Install systems in compliance with the requirements that apply to valves, fittings, and hangers; • Explain the procedure for determining location and spacing of sprinklers in various types of structures; • Explain implications of and techniques for making fire department connections. 	<p>Assessment Methods for determining course effectiveness</p> <p>This course is assessed externally by the local's Joint Apprenticeship Training Committee (JATC), consisting of industry representatives and UA members. The local receives feedback on needed technical updates and apprentice skill performance.</p>

MASTER SYLLABUS

<p>Course Objectives Indicate the objectives that support the course outcomes given above.</p>	<p>Objectives (applicable in all sections)</p>	<p>Evaluation Methods for determining level of student performance of objectives</p>
<p>Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.</p>	<p>Objectives and evaluation methods follow the International Pipe Trades Curriculum Outline issued by the UA Training Department.</p>	

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

Student Materials:

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

<input type="checkbox"/> Level I classroom Permanent screen & overhead projector	<input type="checkbox"/> Off-Campus Sites <input type="checkbox"/> Testing Center <input type="checkbox"/> Computer workstations/lab <input type="checkbox"/> ITV <input type="checkbox"/> TV/VCR <input type="checkbox"/> Data projector/computer <input checked="" type="checkbox"/> Other <u>Taught at UA Local schools</u>
<input type="checkbox"/> Level II classroom Level I equipment plus TV/VCR	
<input type="checkbox"/> Level III classroom Level II equipment plus data projector, computer, faculty workstation	

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
<ul style="list-style-type: none"> • Explain regulations as they apply to piping material, sizing, and arrangement in the various types of sprinkler systems; • Identify requirements for flushing, draining and testing piping; • protection of installed sprinkler systems against freezing, corrosion, and earthquake damage; • Install systems in compliance with the requirements that apply to valves, fittings, and hangers; <ul style="list-style-type: none"> • Explain the procedure for determining location and spacing of sprinklers in various types of structures; • Explain implications of and techniques for making fire department connections. 	<p>Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.</p> <p>JATC contractor members provide specifications detailing technical updates.</p>	<p>WCC will prepare a summary report on assessment activities in Winter 2011 and every three years thereafter.</p>	<p>All</p>	<p>All</p>

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.