

MASTER SYLLABUS

Course Discipline Code & No: UAR166R Title: Installation of Residential Fire Sprinkler Systems Effective Term Fall 2009
 Division Code: HAT 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 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 Lisa Veass 12/8/09
 Curriculum Committee Chair's Signature Date

Vice President for Instruction Approval
Roger M. Palocz 12/00/09
 Vice President's Signature Date

Approval Yes No Conditional

Do not write in shaded area.
 Log File 1/13/09-sj Ecopy Banner _____ C&A Database _____ C&A Log File _____ 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.

MASTER SYLLABUS

Course UAR 166R	Course title Installation of Residential Fire Sprinkler Systems
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Course description State the purpose and content of the course. Please limit to <u>500</u> characters.	This course presents the detailed rules and regulations governing the design, installation and testing of automatic fire sprinkler systems. This course emphasizes the rules that sprinkler fitters must satisfy on the job and also explains the principles of older existing systems. This course references the NFPA code manuals. This course is limited to United Association students.
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Course outcomes List skills and knowledge students will have after taking the course. Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	Outcomes (applicable in all sections)	Assessment Methods for determining course effectiveness
	<p>Explain the regulations as they apply to piping material, sizing and arrangement in the various sprinkler systems.</p> <p>Protect installed sprinkler systems against freezing, corrosion, and earthquake damage.</p> <p>Comply with requirements that apply to valves, fittings and hangers.</p> <p>Demonstrate the procedures for determining the location and spacing of sprinklers in various types of structures.</p> <p>Explain the system specific requirements governing wet systems, anti-freeze systems, dry systems and preaction systems.</p>	<p>Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.</p> <p>Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.</p> <p>Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.</p> <p>Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.</p> <p>Contractors (employer) provide paper feedback forms for apprentice skill performance reviews.</p>

Course Objectives Indicate the objectives that support the course outcomes given above. Course Evaluations Indicate how instructors will determine the degree to which each objective is met for each student.	Objectives (applicable in all sections)	Evaluation Methods for determining level of student performance of objectives
	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 Texts Supplemental reading Supplies Uniforms Equipment Tools Software	UA local training schools provide all the necessary books and materials for the students.	Estimated costs \$ 0
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Equipment/Facilities: Check all that apply. (All classrooms have overhead projectors and permanent screens.)

<p>Check level <u>only</u> if the specified equipment is needed for <u>all</u> sections of a course.</p> <p><input type="checkbox"/> Level I classroom Permanent screen & overhead projector</p> <p><input type="checkbox"/> Level II classroom</p>	<p><input type="checkbox"/> Off-Campus Sites</p> <p><input type="checkbox"/> Testing Center</p> <p><input type="checkbox"/> Computer workstations/lab</p> <p><input type="checkbox"/> ITV</p>
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Office of Curriculum & Assessment

<http://www.wccnet.edu/departments/curriculum/>

Approved by Assessment Committee 10/06

MASTER SYLLABUS

Level I equipment plus TV/VCR	<input type="checkbox"/> TV/VCR
<input type="checkbox"/> Level III classroom	<input type="checkbox"/> Data projector/computer
Level II equipment plus data projector, computer, faculty workstation	<input checked="" type="checkbox"/> Other <u>Taught at UA Local schools</u>

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 the regulations as they apply to piping material, sizing and arrangement in the various sprinkler systems.	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
Protect installed sprinkler systems against freezing, corrosion, and earthquake damage.	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
Comply with requirements that apply to valves, fittings and hangers.	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
Demonstrate the procedures for determining the location and spacing of sprinklers in various types of structures.	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 the system specific requirements governing wet systems, anti-freeze systems, dry systems and preaction systems.	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

* 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.