

Course Discipline Code & No: UAR160 Title: Introduction to Sprinkler Fitter Practices 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 2/2/09  
 Dean's/Administrator's Signature Date

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

Vice President for Instruction Approval  
Pepper M. Palmer 3/12/09  
 Vice President's Signature Date  
 Approval  Yes  No  Conditional

Do not write in shaded area.  
 Log File 2/18/09 Copy  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](mailto:sjohn@wccnet.edu) for posting on the website.

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

Course: <u>UAR160</u>	Course title <u>Introduction to Sprinkler Fitter Practices</u>
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<b>Credit hours:</b> <u>3</u> If variable credit, give range: _____ to _____ credits	<b>Contact hours per semester:</b> <table style="width:100%"> <tr> <td></td> <td style="text-align:center"><u>Student</u></td> <td style="text-align:center"><u>Instructor</u></td> </tr> <tr> <td>Lecture:</td> <td style="text-align:center"><u>45</u></td> <td style="text-align:center">___</td> </tr> <tr> <td>Lab:</td> <td style="text-align:center">___</td> <td style="text-align:center">___</td> </tr> <tr> <td>Clinical:</td> <td style="text-align:center">___</td> <td style="text-align:center">___</td> </tr> <tr> <td>Practicum:</td> <td style="text-align:center">___</td> <td style="text-align:center">___</td> </tr> <tr> <td>Other:</td> <td style="text-align:center">___</td> <td style="text-align:center">___</td> </tr> <tr> <td><b>Totals:</b></td> <td style="text-align:center"><u>45</u></td> <td style="text-align:center">___</td> </tr> </table>		<u>Student</u>	<u>Instructor</u>	Lecture:	<u>45</u>	___	Lab:	___	___	Clinical:	___	___	Practicum:	___	___	Other:	___	___	<b>Totals:</b>	<u>45</u>	___	<b>Are lectures, labs, or clinicals offered as separate sections?</b> <input type="checkbox"/> Yes - lectures, labs, or clinicals are offered in separate sections <input checked="" type="checkbox"/> No - lectures, labs, or clinicals are offered in the same section	<b>Grading options:</b> <input type="checkbox"/> P/NP (limited to clinical & practica) <input type="checkbox"/> S/U (for courses numbered below 100) <input checked="" type="checkbox"/> Letter grades
	<u>Student</u>	<u>Instructor</u>																						
Lecture:	<u>45</u>	___																						
Lab:	___	___																						
Clinical:	___	___																						
Practicum:	___	___																						
Other:	___	___																						
<b>Totals:</b>	<u>45</u>	___																						

**Prerequisites. Select one:**

College-level Reading & Writing     
  Reduced Reading/Writing Scores  
(Add information at Level I prerequisite)

No Basic Skills 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 <small>Can be taken together)</small>	Corequisites <small>Must be enrolled in this class also during the same semester)</small>
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____	<input type="checkbox"/>	_____

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

Course	Grade	Test	Min. Score
<input type="checkbox"/> and <input type="checkbox"/> or _____	_____	_____	_____
<input type="checkbox"/> and <input type="checkbox"/> 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 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.

<input type="checkbox"/> E.M.U. as _____	<input type="checkbox"/> _____ as _____
<input type="checkbox"/> U of M as _____	<input type="checkbox"/> _____ as _____
<input type="checkbox"/> _____ as _____	<input type="checkbox"/> _____ as _____

Course <u>UAR160</u>	Course title: <u>Introduction to Sprinkler Fitter Practices</u>
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<p><b>Course description</b> State the purpose and content of the course. Please limit to <u>500</u> characters.</p>	<p>This course covers introductory topics for new Sprinkler fitter apprentices including: job safety and health, heritage in the pipe trades, and use and care of tools.</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>
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<p><b>Course outcomes</b> List skills and knowledge students will have after taking the course.</p> <p><b>Assessment method</b> Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.</p>	<p><b>Outcomes</b> (applicable in all sections)</p>	<p><b>Assessment</b> Methods for determining course effectiveness</p>
	<p>After successful completion of this course students will be able to:</p> <ul style="list-style-type: none"> <li>• Explain the responsibilities of the employer and his or her employees under the Occupational Safety and Health Act for creating and maintaining job safety and health conditions in the work place.</li> <li>• Identify the processes of the construction trade that can lead to hazardous conditions and situations.</li> <li>• Explain what individual behavior is appropriate to reduce or eliminate the number of occupational safety and health hazards and insure a safe and healthful work place.</li> <li>• Recognize and explain occupational safety and health hazards that can exist at a construction work site.</li> <li>• Identify the methods for preventing or eliminating commonly encountered occupational safety and health hazards.</li> <li>• Explain the use of industry tools</li> <li>• Identify the proper tool for the application</li> <li>• Demonstrate the safe use of tools</li> <li>• Describe the proper use of various tools</li> <li>• Explain the history of the plumbing/pipe fitting Industry</li> <li>• Identify key people and events that shaped the Industry</li> <li>• Describe the current state of the Industry</li> <li>• Demonstrate how the future of the industry may be shaped</li> </ul>	<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>

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

<p><input type="checkbox"/> Level I classroom Permanent screen &amp; overhead projector</p> <p><input type="checkbox"/> Level II classroom Level I equipment plus TV/VCR</p> <p><input type="checkbox"/> Level III classroom Level II equipment plus data projector, computer, faculty workstation</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> <p><input type="checkbox"/> TV/VCR</p> <p><input type="checkbox"/> Data projector/computer</p> <p><input checked="" type="checkbox"/> Other <u>Taught at UA Local schools</u></p>
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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"> <li>• Explain the responsibilities of the employer and his or her employees under the Occupational Safety and Health Act for creating and maintaining job safety and health conditions in the work place.</li> <li>• Identify the processes of the construction trade that can lead to hazardous conditions and situations.</li> <li>• Explain what individual behavior is appropriate to reduce or eliminate the number of occupational safety and health hazards and insure a safe and healthful work place.</li> <li>• Recognize and explain occupational safety and health hazards that can exist at a construction work site.</li> <li>• Identify the methods for preventing or eliminating commonly</li> </ul>	<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>

<p>encountered occupational safety and health hazards.</p> <ul style="list-style-type: none"> <li>• Explain the use of industry tools</li> <li>• Identify the proper tool for the application</li> <li>• Demonstrate the safe use of tools</li> <li>• Describe the proper use of various tools</li> <li>• Explain the history of the plumbing/pipe fitting Industry</li> <li>• Identify key people and events that shaped the Industry</li> <li>• Describe the current state of the Industry</li> <li>• Demonstrate how the future of the industry may be shaped</li> </ul>				

**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.

MASTER SYLLABUS

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.