

Course Discipline Code & No: UAR164R Title: Reading Residential Blueprints for 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.

☐ Consultation with all departments affected by this course is required. ☐ Total Contact Hours (total contact hours were: _____)

☐ Course discipline code & number (was _____)* ☐ Distribution of contact hours (contact hours were: _____)

*Must submit inactivation form for previous course. ☐ Pre-requisite, co-requisite, or enrollment restrictions

☐ Course title (was _____) ☐ Change in Grading Method

☐ Course description ☐ Outcomes/Assessment

☐ Course objectives (minor changes) ☐ Objectives/Evaluation

☐ Credit hours (credits were: _____) ☐ 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 _____
Curriculum Committee Chair's Signature Date 12/8/09

Vice President for Instruction Approval

Approval ☒ Yes ☐ No ☐ Conditional _____
Vice President's Signature Date 12/10/09

Do not write in shaded area.

Log File 11/13/09 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

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

Course: <u>UAR164R</u>	Course title: <u>Reading Residential Blueprints for Sprinkler Systems</u>
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Credit hours: <u>2</u> If variable credit, give range: _____ to _____ credits	Contact hours per semester: <table style="width: 100%;"> <tr> <th></th> <th style="text-align: center;"><u>Student</u></th> <th style="text-align: center;"><u>Instructor</u></th> </tr> <tr> <td>Lecture:</td> <td style="text-align: center;"><u>30</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>Totals:</td> <td style="text-align: center;"><u>30</u></td> <td style="text-align: center;">_____</td> </tr> </table>		<u>Student</u>	<u>Instructor</u>	Lecture:	<u>30</u>	_____	Lab:	_____	_____	Clinical:	_____	_____	Practicum:	_____	_____	Other:	_____	_____	Totals:	<u>30</u>	_____	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
	<u>Student</u>	<u>Instructor</u>																						
Lecture:	<u>30</u>	_____																						
Lab:	_____	_____																						
Clinical:	_____	_____																						
Practicum:	_____	_____																						
Other:	_____	_____																						
Totals:	<u>30</u>	_____																						

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 _____

Course <u>UAR164R</u>	Course title <u>Reading Residential Blueprints for Sprinkler Systems</u>	
Course description State the purpose and content of the course. Please limit to <u>500</u> characters.	This course familiarizes the student with the drawings most often found in the residential sprinkler trade. Topics include the standard drawings used by residential sprinkler fitters and abbreviations and symbols found on those drawings. This course is limited to United Association students.	
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
	After successful completion of this course, the student will be able to: • Explain working drawings • Identify symbols on working drawings • Use and interpret various drawing scales • Read and explain working drawings for NFPA 13D and NFPA 13R systems for wet pipe, standpipe, and dry pipe systems • Identify inconsistencies in working drawings • Correct and compensate for inconsistencies on working drawings	This course is assessed 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.
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.		

MASTER SYLLABUS

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.)

Check level only if the specified equipment is needed for all sections of a course.

☐ Level I classroom
 Permanent screen & overhead projector

☐ Level II classroom
 Level I equipment plus TV/VCR

☐ Level III classroom
 Level II equipment plus data projector, computer, faculty workstation

☐ Off-Campus Sites

☐ Testing Center

☐ Computer workstations/lab

☐ ITV

☐ TV/VCR

☐ 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 working drawings • Identify symbols on working drawings • Use and interpret various drawing scales • Read and explain working drawings for NFPA 13D and NFPA 13R systems for wet pipe, standpipe, and dry pipe systems • Identify inconsistencies in working drawings • Correct and compensate for inconsistencies on working drawings	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. JATC contractor members provide specifications detailing technical updates.	Feedback on technical updates is continuous and is part of monthly JATC advisory meetings. Each local sets work periods for apprentice evaluation. At a minimum, apprentices are evaluated every six months.	All	All

MASTER SYLLABUS**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.