MASTER SYLLABUS

Course Discipline Code & No: UAF102	Title: Intro to Arc Welding, Soldering and Brazing	Effective Term SS 2009
Division Code: <u>VCT</u>	Department Code:UA	Org #:28310
Don't publish: College Catalog	☐ Time Schedule ☐ Web Page	
Reason for Submission. Check all that apple New course approval Three-year syllabus review/Assessment Course change	Reactivation of inactive course	
Change information: Note all changes th	nat are being made. Form applies only to changes no	ted.
Consultation with all departments affect required. Course discipline code & number (was *Must submit inactivation form for pre Course title (was	Total Contact Hours (total con Distribution of contact hours (lecture:labc vious course. Pre-requisite, co-requisite, or es	contact hours were:) contact hours were:) clinical other) nrollment restrictions
Rationale for course or course change. At	tach course assessment report for existing courses th	at are being changed.
	res indicate that all departments affected by the course have	ve been consulted.
Print:	New resources needed All relevant department Signature Signature	Date: <u>Z/Z/09</u>
Department Chair Division Review by Dean		
Request for conditional approval Recommendation Yes No Curriculum Committee Review Recommendation	Dean's/Administrator's Signature	2/2/09 Date
☐ Tabled Yes ☐ No	Curriculum Committee Chair's Signature	3/18/09 Date
Vice President for Instruction Approva Approval Yes No Condition	Fice Mesident's Signature	3/19/09 Date
, , ,	C&A Database 3/19 C&A Log File 3/19 Basic sk fracticulum & Assessment and email an electronic copy to sjohn@	

Office of Curriculum & Assessment

Approved by Assessment Committee 10/06

Course: UAF102	which apply to the course, even		g made.		
Course: UAI 102	Course title: Intro to Arc Welding, Soldering and Brazing				
Credit hours: 3	Contact hours per semester:	Analastunas laha an			
	Student Instructor	Are lectures, labs, or clinicals offered as	Grading options:		
If variable credit, give range:	Lecture: <u>45</u> <u>45</u>	separate sections?	P/NP (limited to clinical & practica)		
to credits	Lab:	Yes - lectures, labs, or clinicals are			
	Clinical: Practicum:	offered in separate	☑Letter grades		
	Other:	sections			
	Totals: <u>45</u> <u>45</u>	□No - lectures, labs, or clinicals are			
·		offered in the same section			
		section			
Prerequisites. Select one:					
☐College-level Reading & Writir	ng Reduced Reading/	/Writing Scores	No Bosio Skilla Dromonisita		
Zagonege level reading or while	(Add information at Le	· ·	No Basic Skills Prerequisite (College-level Reading and Writing is not required.)		
		. ,			
In addition to Basic Skills in R	eading/Writing:		·		
Level I (enforced in Banner)					
Course	Grade Test	Min. Score Concurr Enrollm	1		
		<u>Can</u> be taken to			
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and or					
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and or	THE THREE CO.				
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Level II (enforced by instructor or	n first day of class)				
(Course	Grade Test	Min. Score		
and or					
Enrollment restrictions (In addi	tion 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 trans		-			
Conditionally approved courses					
	ou wish the course to transfer as.				
E.M.U. as			as		
U of M as			as		
as			as		

Course <u>UAF102</u>	Course title: Intro to Arc Welding, Soldering and Brazing			
Course description State the purpose and content of the course. Please limit to 500 characters.	This is the introductory course in welding, soldering, ar allied processes, oxyacetylene cutting and welding, procequipment. Related safety is covered in all topics. This course is taught at United Association (UA) Training Enrollment is limited to apprentices accepted in to a U.	tedure for setting up oxy-fuel ting Centers throughout the U	cutting and welding	
Course outcomes	Outcomes	Assessment		
List skills and knowledge	(applicable in all sections)	Methods for determining course effectiveness		
Assessment method Indicate how student achievement in each outcome will be assessed to determine student achievement for purposes of course improvement.	 Upon successful completion of this course, the student will be able to: Explain the various types of soldering and brazing alloys Identify the proper alloy for a specific application Describe the proper preparation, cleaning and fluxing of joints Demonstrate proper heating and application of the selected alloy 	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.		
Course Objectives	Objectives	Objectives Evaluation		
Indicate the objectives that support the course outcomes given above.	(applicable in all sections)	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.			
	ded for course, including library materials. are taught at existing UA local training schools.			
List examples of types Texts Supplemental reading Supplies Uniforms Equipment	UA local training schools provide all the necessary books and materials for the students.		Estimated costs \$ 0	

Tools Software

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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.	Off-Campus Sites		
Level I classroom	Testing Center		
Permanent screen & overhead projector	Computer workstations/lab		
Level II classroom	□ITV		
Level I equipment plus TV/VCR	□TV/VCR		
Level III classroom	Data projector/computer		
Level II equipment plus data projector, computer, faculty workstation	☑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 the various types of soldering and brazing alloys Identify the proper alloy for a specific application Describe the proper preparation, cleaning and fluxing of joints Demonstrate proper heating and application of the selected alloy 	Contractors (employer) provide paper feedback forms for apprentice skill performance reviews. JATC contractor members provide specifications detailing technical updates.	WCC will prepare a summary report on assessment activities in Winter 2011 and every three years thereafter.	All	All

Scoring and analysis of assessment:

- 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.
- 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.