B. Attach or insert Course or Program Assessment Summary (CPAS) form for each course in the program. Faculty may summarize data results rather than providing raw data or exact figures.

WELD 175

selection of course sections,

scoring procedures, etc.)

Cou	rse or Program Asses	sment Summary	http://academic.cuesta.edu/s	sloa/docs/Course_and_Program_As	sessment Summary F 2011.docx
	m can be used to record SLO assessment				
	on: Engineering Technology		Date: May 2		v. 3 2012
Cours	es in program, or course:	WELD 175 – Blueprint Rea	ding and Materials Pro	cessing	
Facul	ty involved with the assessme	nt and analysis: Rob Tho	resen		
Cours	se-to-program outcome mapp	ing document** is comp	leted YesX	No	
1	Student Learning Outcome Statements Program Course	functional appli SLO 3: Use proper hand,	cation of welding techn measuring and layout to	ental skill improvement res iques. cools to fabricate welding pr natics, chemistry and physi	rojects.
		welding skills.			
2	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	*Assessment Too 1. Evaluation data as refl 2. Student Sur	d: of completed lab assigneeted by course grading vey urse will require the com on tools. ol:		
		procedures in the objectives and ou *Assessment Too 1. Evaluation	laboratory to produce v tcomes. d: of completed lab assign ected by course grading	ents followed by hands on a weldments and projects whi nment grade data as well a	ch incorporate said
3	Assessment Administration Plan (date(s), sample size or			dentified. The administrat LO Mapping document refl	

4	Assessment Results Summary (summarize Data)	WELD 175 Data Spring 2014 (SLO 2, 3 and 4): Assessment Tool #1 from above (Student performance reflect by grades): Overall performance data indicates that 93% of the students achieved above the 70 percentile mark. Specific breakdown Included 22% of the population achieving 90 percent or better, 39% achieving 80-90%, 32% achieving 70 – 80% and 7% below 60 percent. Assessment Tool #2 from above (Student Survey): 80% of students indicated that there was more emphasis on Industry practices than on material processing.
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	There were no previous plans for Improvement.
6	Recommended Changes & Plans for Implementation of Improvements	Change the Title of the Course from "Blueprint Reading – Materials Processing" to "Blueprint Reading – Industry Practices"
7	Description or evidence of dialog among course or program-level faculty about assessment plan and results	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding Department meetings and Welding Advisory Committee meetings as evidenced by department meeting agendas/minutes. Letters from Industry.

align with various courses and indicates the calendar by which the assessments are administered.

WELD 176

This fo	his form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.						
Divis	ion: Engineering Technology	Program: Welding Date: December 2014	v. 3 2012				
Cour	ses in program, or course:	WELD 176 – Welding Power					
Facu	culty involved with the assessment and analysis: Rob Thoresen						
Cour	se-to-program outcome mapp	ping document** is completed Yes_X No					
1	Student Learning Outcome Statements Program Course	SLO1: (modified WELD 176) Perform basic maintenance on various equipment productivity. SLO2: (modified WELD 176) Apply integrated knowledge with incremental skill resulting in functional application of welding techniques. • Understand primary power requirements, duty cycles and capabilit power supplies. • Ability to properly set up various welding equipment including elewelding apparatus. • Read applicable codes, standards, equipment and repair manuals, and safety guidelines • Diagnose and repair malfunctions in welding equipment and performs to the standard of t	l improvement ties of various welding extrical are and gas welding procedures orm field repair when				
		SLO 3: Use proper hand, measuring and layout tools to fabricate welding projects. SLO 4: Apply academic skills in reading, mathematics, chemistry and physics to the welding skills.	he application of				
2	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	SLO 1: (modified WELD 176) — Completion of basic service of various machines welding environment. Examples include; repair of leads and electrode cla Clearing of fouled wire feeder machines, replacement of drive rollers tips Perform GTAW torch and tungsten maintenance. *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as object data as reflected by course grading. 2. Student Survey	mps and work clamps. diffusers and liners.				

		SLO2: (modified WELD 176) Demonstrative repair completion and documentation of knowledge progress evaluation. *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective written testing data as reflected by course grading. 2. Student Survey SLO 3: Each welding course will require the completion of shop projects which incorporate the use of common fabrication tools. *Assessment Tool: 1. Student Survey SLO 4: Record of traditional knowledge assessments followed by hands on application to welding procedures in the laboratory to produce weldments and projects which incorporate said objectives and outcomes. *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective written testing data as reflected by course grading. 2. Student Survey
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	All welding courses have SLO's and assessments identified. The administration of assessments is ongoing each semester. The attached Program SLO Mapping document reflects which Program SLO's align with various courses and indicates the calendar by which the assessments are administered.
4	Assessment Results Summary (summarize Data)	WELD 176 Data Fall 2014 (SLO 2, 3 and 4): Assessment Tool #1 from above (Student performance reflect by grades): Overall performance data indicates that 87% of the students achieved above the 70 percentile mark. Specific breakdown Included 61% of the population achieving 90 percent or better, 21% achieving 80-90%, 5% achieving 70 – 80% and 13% below 70 percent.
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	There were no previous improvement plans.
6	Recommended Changes & Plans for Implementation of Improvements	No recommended changes at this time.
7	Description or evidence of dialog among course or program-level faculty about assessment plan and results	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding Department meetings and Welding Advisory Committee meetings as evidenced by department meeting agendas/minutes. Letters from Industry.

WELD 270A

This form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.				
Divisi	on: Engineering Technology	Program: Welding Date: December 2014	v. 3 2012	
Cours	es in program, or course:	_WELD 270A – Basic Welding		
Facul	ty involved with the assessme	ent and analysis: Rob Thoresen		
Cour	se-to-program outcome map	ping document** is completed Yes_X No		
1	Student Learning Outcome Statements Program Course	SLO2: Apply integrated knowledge with incremental skill improvement resulting in functional application of welding techniques. SLO 3: Use proper hand, measuring and layout tools to fabricate welding projects.		
		<u>SLO 4</u> : Apply academic skills in reading, mathematics, chemistry and physics to the appli welding skills.	560060000 **S\$Q703	
2	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	**SLO2: Demonstrative weld completion and documentation of knowledge progress evaluates **Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective with data as reflected by course grading. 2. Student Survey SLO 3: Each welding course will require the completion of shop projects which incorporate common fabrication tools. **Assessment Tool: 1. Student Survey SLO 4: Record of traditional knowledge assessments followed by hands on application to procedures in the laboratory to produce weldments and projects which incorporate objectives and outcomes. **Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective with data as reflected by course grading. 2. Student Survey	ate the use of welding e said	
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	All welding courses have SLO's and assessments identified. The administration of assessmengoing each semester. The attached Program SLO Mapping document reflects which Proalign with various courses and indicates the calendar by which the assessments are administration.	ogram SLO's	

4	Assessment Results Summary	WELD 270A Data Fall 2014 (SLO 2, 3 and 4):		
	(summarize Data)	Assessment Tool #1 from above (Student performance reflect by grades):		
	(,	Overall performance data indicates that 86% of the students achieved above the 70 percentile mark. Specific breakdown		
		included 37% of the population achieving 90 percent or better, 30% achieving 80-90%, 19% achieving 70 – 80% and 14%		
		below 70 percent.		
		Assessment Tool #2 from above (Student Survey)		
		83% Student s surveyed indicated that some equipment was in need of repair or replacement.		
5	Discussion of Assessment	No previous plans for improvements.		
	Procedure and Results, and			
	Effectiveness of Previous			
	Improvement Plans			
6	Recommended Changes &	Upfit/upgrade and/or replace defective equipment in shop.		
	Plans for Implementation of			
	Improvements			
7	Description or evidence of	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding		
	dialog among course or	Department meetings and Welding Advisory Committee meetings as evidenced by department meeting		
	program-level faculty about	agendas/minutes.		
	assessment plan and results			

WELD 270B

11113 101	his form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.					
Divisi	on: Engineering Technology	Program: Welding	Date: May	2014	v. 3 2012	
Cours	es in program, or course:	_WELD 270B - Advance	d Welding			
	ty involved with the assessme	NAMES OF THE PARTY				
Cours	e-to-program outcome map		·	No		
1	Student Learning Outcome Statements ☐ Program	SLO2: Apply integra	welding skills sufficient to ated knowledge with increm- application of welding techn	nental skill improvement i		
	□ Course	Tunctional a	pplication of weiting teem	inques.		
		SLO 3: Use proper ha	and, measuring and layout t	tools to fabricate welding	projects.	
		SLO 4: Apply acaden welding ski	nic skills in reading, mather lls.	matics, chemistry and phy	vsics to the application of	
	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	the FCAW pr *Assessment 1. Evaluati certificat result, th course. 2. Student S SLO2: Demonstrativ *Assessment 1. Evaluat data as 2. Student SLO3: Each welding common fabr *Assessment 1. Student SLO4: Record of trac	rocess in the vertical and over Tool: ion of completed lab assignation test plates in preparation test plates in preparation test plates in preparation test plates in preparation of completion and document tool: ion of completed lab assignation of completed lab assignation of completed lab assignation tools. It Tool: Survey dittional knowledge assessmant the laboratory to produce we have to the control of th	verhead positions. Inment grade data. Stude, ion for the two Certifications issued a sumentation of knowledge imment grade data as well g. Impletion of shop projects the projects the projects are the suments followed by hands of the sum of	ons courses we offer. As a nat the completion of this e progress evaluation. It as objective written testing which incorporate the use of an application to welding	

		*Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective written testing data as reflected by course grading. 2. Student Survey
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	All welding courses have SLO's and assessments identified. The administration of assessments is ongoing each semester. The attached Program SLO Mapping document reflects which Program SLO's align with various courses and indicates the calendar by which the assessments are administered.
4	Assessment Results Summary (summarize Data)	WELD 270B Data Spring 2014 (SLO 1, 2, 3 and 4): Assessment Tool #1 from above (Student performance reflect by grades): Overall performance data indicates that 89% of the students achieved above the 70 percentile mark. Specific breakdown included 28% of the population achieving 90 percent or better, 29% achieving 80-90%, 32% achieving 70 – 80% and 11% below 70 percent. Assessment Tool #2 from above (Student Survey) 79% students surveyed indicated the need for equipment replacement.
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	No previous assessment or improvement plan prior to this update.
6	Recommended Changes & Plans for Implementation of Improvements	Replace and upgrade equipment in lab. Hire another instructor in order to expand number of Advanced WELD 270B courses offered
7	Description or evidence of dialog among course or program-level faculty about assessment plan and results	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding Department meetings and Welding Advisory Committee meetings as evidenced by department meeting agendas/minutes.

WELD 270C

This for	This form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.				
Division: Engineering Technology		Program: Welding Date: December 2014			
Cours	es in program, or course:	WELD 270C – GMAW & GTAW Welding			
		ent and analysis: Rob Thoresen			
Cours	se-to-program outcome mapp	oing document** is completed YesX No			
1	Student Learning Outcome Statements	SLO2: Apply integrated knowledge with incremental skill improvement resultir functional application of welding techniques.	ng in		
	□ Program□ Course	<u>SLO 3:</u> Use proper hand, measuring and layout tools to fabricate welding projec	ts.		
		SLO 4: Apply academic skills in reading, mathematics, chemistry and physics to welding skills.	the application of		
2	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	SLO2: Demonstrative weld completion and documentation of knowledge progre* *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as object data as reflected by course grading. 2. Student Survey SLO 3: Each welding course will require the completion of shop projects which common fabrication tools. *Assessment Tool: 1. Student Survey SLO 4: Record of traditional knowledge assessments followed by hands on appliprocedures in the laboratory to produce weldments and projects which in objectives and outcomes. *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective data as reflected by course grading. 2. Student Survey	incorporate the use of ication to welding icorporate said		
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	All welding courses have SLO's and assessments identified. The administration on going each semester. The attached Program SLO Mapping document reflects align with various courses and indicates the calendar by which the assessments of the calendar by which the administration of the calendar by which the assessments of the calendar by which the assessments of the calendar by which the assessments of the calendar by which the calendar by which the assessments of the calendar by which the calendar by wh	which Program SLO's		

4	Assessment Results Summary (summarize Data)	WELD 270C Data Fall 2014 (SLO 2, 3 and 4): Assessment Tool #1 from above (Student performance reflect by grades): Overall performance data indicates that 93% of the students achieved above the 70 percentile mark. Specific breakdown included 43% of the population achieving 90 percent or better, 27% achieving 80-90%, 23% achieving 70 – 80% and 7% below 70 percent.
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	No previous improvement plans.
6	Recommended Changes & Plans for Implementation of Improvements	Hire another FT welding instructor in order that more sections of this course could be offered.
7	Description or evidence of dialog among course or program-level faculty about assessment plan and results	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding Department meetings and Welding Advisory Committee meetings as evidenced by department meeting agendas/minutes.

WELD 273

This fo	rm can be used to record SLO assessment	plans and results for courses or pro	grams. It is recommended that this docur	ment be stored on a group drive, or	in MyCuesta.
Divis	ion: Engineering Technology	Program: Welding	Date: December 201	14	v. 3 2012
Cour	ses in program, or course:	_WELD 273 – Metallurgy			
Facu	lty involved with the assessme	nt and analysis: Rob The	presen		
Cour	se-to-program outcome mapp	oing document** is comp	eleted Yes X	No	
1	Student Learning Outcome Statements Program Course		skills in reading, mathematics, cl	hemistry and physics to the	application of
2	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	procedures in the objectives and ou *Assessment Too 1. Evaluation	ol: of completed lab assignment gr ected by course grading.	ts and projects which incorp	orate said
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	ongoing each semester.	SLO's and assessments identified The attached Program SLO Mapp and indicates the calendar by w	ping document reflects whic	ch Program SLO's
4	Assessment Results Summary (summarize Data)		collected Fall 2013 and Fall 2014. Succeeding the second sec		
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	No previous data or asses No previous improvemen	sment gathered prior to Fall 202 ts made.	13 due to course not being o	offered.
6	Recommended Changes & Plans for Implementation of Improvements	acquisition was made in S	ns included the purchase of vari pring of 2014 and a second is pl n invested by end of Spring 2015	lanned for Spring of 2015.	AND A CONTRACTOR OF THE PARTY O
7	Description or evidence of dialog among course or		sment results and improvement d Welding Advisory Committee r	•	•
	program-level faculty about assessment plan and results	agendas/minutes.			

WELD 277

This form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.				
Division: Engine	eering Technology	Program: Welding Date: May 2014	v. 3 2012	
Courses in progra	am, or course:	WELD 277 –Welding Fabrication		
Faculty involved	with the assessm	nent and analysis: Rob Thoresen		
Course-to-progr	ram outcome map	pping document** is completed Yes_X No		
1 Student Le Statement Program		 SLO1: Demonstrate welding skills sufficient to meet industry journeyman welder standard SLO2: Apply integrated knowledge with incremental skill improvement resulting in functional application of welding techniques. SLO 3: Use proper hand, measuring and layout tools to fabricate welding projects. SLO 4: Apply academic skills in reading, mathematics, chemistry and physics to the applic welding skills. 		
(identify as	nt Methods Plan ssessment ts, scoring rubrics, ng diagrams)	SLOI: (Modified for Weld 277) Evaluation of completed fabrication projects with industry approaches as they pertain to overall quality, as well as actual weld quality on all fini *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective writed data as reflected by course grading. 2. Student Survey SLO2: Demonstrative weld completion and documentation of knowledge progress evaluat *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective writed data as reflected by course grading. 2. Student Survey SLO 3: Each welding course will require the completion of shop projects which incorporated common fabrication tools. *Assessment Tool: 1. Student Survey SLO 4: Record of traditional knowledge assessments followed by hands on application to be procedures in the laboratory to produce weldments and projects which incorporate objectives and outcomes.	isten testing tion. itten testing tee the use of welding	

		*Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective written testing data as reflected by course grading. 2. Student Survey
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	All welding courses have SLO's and assessments identified. The administration of assessments is ongoing each semester. The attached Program SLO Mapping document reflects which Program SLO's align with various courses and indicates the calendar by which the assessments are administered.
4	Assessment Results Summary (summarize Data)	WELD 277 Data Spring 2014 (SLO 2, 3 and 4): Assessment Tool #1 from above (Student performance reflect by grades): Overall performance data indicates that 92% of the students achieved above the 70 percentile mark. Specific breakdown included 40% of the population achieving 90 percent or better, 32% achieving 80-90%, 20% achieving 70 – 80% and 10% below 70 percent.
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	No previous plans for improvement.
6	Recommended Changes & Plans for Implementation of Improvements	No recommended changes at this time.
7	Description or evidence of dialog among course or program-level faculty about assessment plan and results	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding Department meetings and Welding Advisory Committee meetings as evidenced by department meeting agendas/minutes.

WELD 280A

1113 10	This form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.				
Divis	ion: Engineering Technology	Program	Welding Date: December 202	v. 3 2012	
Cours	ses in program, or course:	WELD	80A – Structural Steel Welding Certification		
аси	lty involved with the assessme	nt and a	alysis: Rob Thoresen		
Course-to-program outcome mapping document** is completed Yes_X No					
1	Student Learning Outcome Statements Program Course	<u>SLO2:</u> <u>SLO 3:</u>	Demonstrate welding skills sufficient to meet indu Apply integrated knowledge with incremental skil functional application of welding techniques. Use proper hand, measuring and layout tools to fal Apply academic skills in reading, mathematics, ch welding skills.	I improvement resulting in bricate welding projects.	
		<u>SLO 5</u> :	Demonstrate work attributes that contribute to pers the company or organization for which one is en		
2	Assessment Methods Plan (identify assessment instruments, scoring rubrics, SLO mapping diagrams)	SLO2: SLO 3:	American Welding Society D1.1 Structural Weldin FCAW process in the vertical and overhead pot Assessment Tool: 1. Tally of the number of successfully comple Semester. 2. Student Survey Demonstrative weld completion and documentation Assessment Tool: 1. Evaluation of completed lab assignment graduate as reflected by course grading. 2. Student Survey Each welding course will require the completion of common fabrication tools. *Assessment Tool: 1. Student Survey Record of traditional knowledge assessments follo	estitions. Set of welding certificates at end of each on of knowledge progress evaluation. Set of a control of the well as objective written testing of shop projects which incorporate the use of	
		<u>SLU 4</u> :	record of traditional knowledge assessments follo	wed by hands on application to welding	

		procedures in the laboratory to produce weldments and projects which incorporate said objectives and outcomes. *Assessment Tool: 1. Evaluation of completed lab assignment grade data as well as objective written testing data as reflected by course grading. 2. Student Survey
		SLO 5: 90% of all students WELD 270B, WELD 270C, WELD 280 and WELD 277 will submit a career portfolio that meets current industry standards. Professionalism evaluation as part of the grading procedures in each course. All students will successfully complete a safety examination and participate in Job Safety Analysis procedures. *Assessment Tool:
		1. Evaluation of student portfolios by instructors 2. Student Survey
3	Assessment Administration Plan (date(s), sample size or selection of course sections, scoring procedures, etc.)	All welding courses have SLO's and assessments identified. The administration of assessments is ongoing each semester. The attached Program SLO Mapping document reflects which Program SLO's align with various courses and indicates the calendar by which the assessments are administered.
4	Assessment Results Summary (summarize Data)	WELD 280A Data Fall 2014 (SLO 1, 2, 3, 4 and 5): Assessment Tool #1 from above (Student performance reflect by grades): Overall performance data indicates that 75% of the students achieved above the 70 percentile mark. Specific breakdown included 21% of the population achieving 90 percent or better, 21% achieving 80-90%, 33% achieving 70 – 80%, 14% achieving 60-70 percent and 15% below 70 percent.
5	Discussion of Assessment Procedure and Results, and Effectiveness of Previous Improvement Plans	No recommended changes at this time.
6	Recommended Changes & Plans for Implementation of Improvements	No recommended changes at this time.
7	Description or evidence of dialog among course or program-level faculty about assessment plan and results	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding Department meetings and Welding Advisory Committee meetings as evidenced by department meeting agendas/minutes.

WELD 280B

This fo	This form can be used to record SLO assessment plans and results for courses or programs. It is recommended that this document be stored on a group drive, or in MyCuesta.				
Divis	ion: Engineering Technology	Program	: Welding Date: May 2014	v. 3 2012	
Cours	ses in program, or course:	WELD	280B – Pipe Welding Certification	-0	
Facu	lty involved with the assessme	nt and a	nalysis: Rob Thoresen		
Cour	Course-to-program outcome mapping document** is completed Yes_X No				
1	Student Learning Outcome Statements	<u>SLO 1:</u>	Demonstrate welding skills sufficient to meet industry journeyman welder standards	-	
	□ Program □ Course	<u>SLO2:</u>	Apply integrated knowledge with incremental skill improvement resulting in functional application of welding techniques.		
		<u>SLO 3:</u>	Use proper hand, measuring and layout tools to fabricate welding projects.		
		<u>SLO 4</u> :	Apply academic skills in reading, mathematics, chemistry and physics to the applicat welding skills.	ion of	
		<u>SLO 5</u> :	Demonstrate work attributes that contribute to personal success and contribute to the the company or organization for which one is employed.	goals of	
2	Assessment Methods Plan		ASME Section IX Plate and Pipe Tests with E6010/E7018 electrodes, GTAW and For processes.	CAW	
	(identify assessment instruments, scoring rubrics,		Assessment Tool:		
	SLO mapping diagrams)		 Tally of the number of successfully completed welding certificates at end of e Semester. 	each	
		GT OO	2. Student Survey		
		SLO2:	Demonstrative weld completion and documentation of knowledge progress evaluatio *Assessment Tool:	n.	
			Evaluation of completed lab assignment grade data as well as objective writte data as reflected by course grading. Student Survey	n testing	
		<u>SLO 3:</u>	Each welding course will require the completion of shop projects which incorporate common fabrication tools.	the use of	
			*Assessment Tool:		
		GIO.	1. Student Survey	1.40 a.u.	
		<u>SLU 4</u> :	Record of traditional knowledge assessments followed by hands on application to we procedures in the laboratory to produce weldments and projects which incorporate sa		

		objectives and outcomes.
		*Assessment Tool:
		1. Evaluation of completed lab assignment grade data as well as objective written testing
		data as reflected by course grading.
		2. Student Survey
		SLO 5: 90% of all students WELD 270B, WELD 270C, WELD 280 and WELD 277 will submit a career
		portfolio that meets current industry standards. Professionalism evaluation as part of the grading
		procedures in each course. All students will successfully complete a safety examination and
		participate in Job Safety Analysis procedures.
		*Assessment Tool:
		1. Evaluation of student portfolios by instructors
		2. Student Survey
3	Assessment Administration	All welding courses have SLO's and assessments identified. The administration of assessments is
	Plan (date(s), sample size or	ongoing each semester. The attached Program SLO Mapping document reflects which Program SLO's
	selection of course sections,	align with various courses and indicates the calendar by which the assessments are administered.
	scoring procedures, etc.)	
4	Assessment Results Summary	WELD 280B Data Spring 2014 (SLO 1, 2, 3, 4 and 5):
	(summarize Data)	Assessment Tool #1 from above (Student performance reflect by grades): A voice interview was done with the instructor who verified that better than 50% of the enrolled students achieved their
		ortifications in Pipe Welding to ASME Section IX.
5	Discussion of Assessment	No previous plans for improvement.
	Procedure and Results, and	
	Effectiveness of Previous	
	Improvement Plans	
6	Recommended Changes &	Need to add an introductory Pipe course in order to raise the success rate.
	Plans for Implementation of	
	Improvements	
7	Description or evidence of	SLO's, assessments, assessment results and improvement plan are discussed at both the Welding
	dialog among course or	Department meetings and Welding Advisory Committee meetings as evidenced by department meeting
	program-level faculty about	agendas/minutes.
	assessment plan and results	
		•