Assurance of Student Learning					
2019-2020					
Ogden College of Science & Engineering	School of Engineering and Applied Sciences				
Architectural Science - 518					

Use this page	e to list learning outcomes, measurements, and summarize results for your program. Detailed informat in the subsequent pages.	ion must b	e completed
Student Lear	rning Outcome 1: Graduates will possess/ demonstrate the ability to identify, formulate strategies and solve techni	cal problem	S
Instrument 1	Analysis of pre-design of capstone project (comprehensive design)		
Instrument 2	Analysis of design development and construction documents of capstone project (Senior project)		
Instrument 3			
Based on your i	results, circle or highlight whether the program met the goal Student Learning Outcome 1.	Met	Not Met
Student Lear	rning Outcome 2: Graduates will demonstrate an ability to possess effective oral and graphic communication skills.		
Instrument 1	Appraisals from industry professionals of capstone projects		
Instrument 2	Analysis of 2 nd and 3 rd project in design studio II		
Instrument 3	Appraisal of student presentations by jurors at WKU Research Conference		
Based on your i	results, circle or highlight whether the program met the goal Student Learning Outcome 2.	Met	Not Met
Student Lear	rning Outcome 3: Graduates will demonstrate the knowledge and capacity to manage a project through the differer	nt design ph	ases.
Instrument 1	Analysis of schematic design of capstone project		
Instrument 2	Appraisals from industry professionals of capstone projects		
Instrument 3	Student Portfolio		
Based on your i	results, circle or highlight whether the program met the goal Student Learning Outcome 3.	Met	Not Met
Program Sur	nmary (Briefly summarize the action and follow up items from your detailed responses on subsequent pages.)		

Changes have been made to pre-requisite courses in the program to improve the outcomes. Courses which changes have been made are AMS 251, AMS 363, AMS 369 and AMS 469. In addition, curriculum changes are being worked on by faculty on pre-requisites for AMS 363. New software technology is being introduced in the classroom to improve student graphic communication outcomes. A thesis book has been added to the capstone to improve written communication. Faculty in the program are also working on improving the rubric that is being currently utilized for assessments. These changes could not be implemented due to COVID-19 but are currently being worked on and will be implemented in the 2021-2022 and 2022-2023 assessment cycles.

		Student Learning Ou	tcome 1		
Student Learning Outcome	Graduates wil	possess/ demonstrate the ability to ide	ntify, formulate strategies and solve technic	cal problems	
Measurement Instrument 1	Direct: Analysis of pre-design of capstone project (comprehensive design) Senior AS students work on a year-long capstone (fall and spring semesters). The students were assessed on the first phase of the capstone to evaluate their competency in pre-design tasks in a given design project.				
Criteria for Student Success	students will h	ave a 3.0 satisfaction rating on a 4 point	scale		
Program Success Target for this	Measurement	75 % of senior students	Percent of Program Achieving Target	78 % of senior students	
Methods	Students assessed 20. Student work on their project proposal, case-study, site analysis, program and code-review were analyzed based on a rubric. The rubric was completed by faculty in the AS program as well as industry professionals.				
Measurement Instrument 2	Direct: Analysis of design development and construction documents of capstone project (Senior project) Senior AS students work on a year-long capstone (fall and spring semesters). The students were assessed on the design development drawings and the set of construction drawings at the end of the spring semester.				
Criteria for Student Success	students will h	ave a 3.0 satisfaction rating on a 4 point	scale		
Program Success Target for this	Measurement	75 % of senior students	Percent of Program Achieving Target	81 % of senior students	
Methods	Students assessed 21. Student work on design development and construction drawings were analyzed based on a rubric. The rubric was completed by faculty in the AS program as well as industry professionals.				
Measurement Instrument 3					
Criteria for Student Success					
Program Success Target for this	Measurement		Percent of Program Achieving Target		

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Methods				
Based on your results, circle or highlight	whether the program met the goal Student Learning Ou	tcome 1.	Met	Not Met
Actions (Describe the decision-making proc	ess and actions planned for program improvement. The act	ions should include a timeline.)		
	ges to pre-requisite courses. These changes are moving thround the component in design studio – AMS 369 in Spring 2 and in 2022-2023 assessment cycle.		. This will be i	implemented in
Due to changes in course offering modalities	s in Fall 2020 plans to implement additional technical assign www.will be introduced in two courses AMS 363 and AMS 46	11		nal assignments
Follow-Up (Provide your timeline for follow	v-up. If follow-up has occurred, describe how the actions al	bove have resulted in program improvemen	t.)	
Follow up will occur in the 2022-2023 asses	sment period due to the difficulty of implementing propose	d changes during COVID 19.		

Student Learning Outcome 2					
Student Learning Outcome	Graduates will demonstrate an ability to possess effective oral and graphic communication skills.				
Measurement Instrument 1	Direct: Apprais	Direct: Appraisals from industry professionals of capstone projects presentations.			
Criteria for Student Success	Students will s	core a minimum 3.0 satisfaction on a 4 point	scale		
Program Success Target for this	Measurement	75% of Students	Percent of Program Achieving Target	90 % of senior students	
Methods	Students asses	sed 21.			
	At the end of the semester students present their capstone work to industry professionals and faculty. Students are assessed				
	on their graphic and oral skills. The rubric was completed by industry professionals.				
Measurement Instrument 2	Direct: Analysis of 2 nd and 3 rd project in design studio II				
Criteria for Student Success	Students will score a minimum 3.0 satisfaction on a 4 point scale for project 2				
	and project 3				
Program Success Target for this	Measurement	75% of Students	Percent of Program Achieving Target	76 % of students	
Methods	Students asses	sed 13.			
	Student design work on project 2 and 3 were analyzed based on a rubric. At the completion of each project students create a				

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	power point and/or presentation board highlighting necessary components of the project. Students also give a verbal					
	•		•	y faculty in the AS program who attended	student prese	entations for
	project 2 and 3. The assessments were completed during the presentation itself.					
Measurement Instrument 3	Appraisal of s	tudent presentations by jurors at	t WKU Resea	rch Conference		
Criteria for Student Success	Students will	score a minimum 8 satisfaction c	on a 10 point	scale during presentations at the WKU re	search confere	ence
Program Success Target for this	Measurement	75%		Percent of Program Achieving Target		-
Methods	No data could be collected this academic year due to COVID-19. While students had submitted abstracts for the conference due to COVID they could not participate due to lack of personal software.					
Based on your results, circle or l	nighlight whethe	r the program met the goal Stude	nt Learning (Outcome 2.	Met	Not Met
Actions (Describe the decision-ma	aking process and	actions planned for program impro	vement. The	actions should include a timeline.)		
this has been postponed to the 202 Additional presentation opportunit	0-2021 assessme	nt cycle.	_	d to add a thesis book to the capstone course but II (AMS 469). Faculty are working to implem		
2022 assessment cycle.						
Follow-Up (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)						
Follow up for communication will	happen in the 20	22-2023 assessment.				

Student Learning Outcome 3					
Student Learning Outcome	Graduates will	Graduates will demonstrate the knowledge and capacity to manage a project through the different design phases			
Measurement Instrument 1	Direct: Analysis	rect: Analysis of schematic design of capstone project			
Criteria for Student Success	Students will so	udents will score a minimum 3.0 satisfaction on a 4 point scale			
Program Success Target for this Measurement		75% of Students	Percent of Program Achieving Target	78 % of senior students	
Methods	Student work on design development and construction drawings were analyzed based on a rubric. The rubric was completed by faculty in the AS program as well as industry professionals.				
Measurement Instrument 2	Appraisals from industry professionals of capstone projects				

Criteria for Student Success	Cr. de de de	20.11.6.11		I.			
Criteria for Student Success	Students will s	score a minimum 3.0 satisfaction	on on a 4 point sca	aie			
Program Success Target for this	Measurement	75% of Students		Percent of Program Achieving Target	78 % of seni	or students	
Methods							
Measurement Instrument 3	Student Portfoli	Student Portfolio					
Criteria for Student Success	Students will s	core a minimum 3.0 satisfaction	on on a 4 point sca	ale			
Program Success Target for this	Program Success Target for this Measurement 75% of Students Percent of Program Achieving Target				of senior students		
Methods	Due to Covid 19 we could not use this instrument for measurement						
Based on your results, circle or l	nighlight whethe	r the program met the goal Stud	dent Learning Outo	come 3.	Met	Not Met	
Actions (Describe the decision-ma	0.1						
AMS 351 will be taught to the stu construction documents. This char	•		-	quisite for AMS 363 which will help stude	ents create an er	nhanced set of	
Follow-Up (Provide your timeline	for follow-up. I	follow-up has occurred, describe	e how the actions abo	ove have resulted in program improvement	t.)		
This will be assessed in the 2022-2	2023 academic ye	ar.					