

Assurance of Student Learning Reflection 2024-2025

<i>Ogden College of Science and Engineering</i>	<i>School of Engineering and Applied Sciences</i>
<i>Architectural Science (518)</i>	
<i>Dr. Shahnaz Aly</i>	
Is this an online program? ☐ Yes ☒ No	Please make sure the Program Learning Outcomes listed match those in CourseLeaf. Indicate verification here ☒ Yes, they match! (If they don't match, explain on this page under Evaluation)

Instructions: For the 2024-25 assessment, we are asking you to reflect on the last three-year cycle rather than collect data. It's important to take time to look over the results from the last assessment cycle and really focus on a data-informed direction going forward. In collaboration with your assessment team and program faculty, review each submitted template from 2021-2024 and consider the following for each Program Learning Outcome, add your narrative to the template, and submit the draft to your **ASL Rep** by **May 15, 2025**.

Program Student Learning Outcome 1	
Program Student Learning Outcome	Graduates will possess/ demonstrate the ability to identify, formulate strategies and solve technical problems
Evaluation	This measure is evaluated using the capstone project completed during the capstone course sequence (AS 488 & AS 490) and the feedback from employers during the internship. The evaluation is still relevant.
Measurement Instruments	(1) pre-design of capstone project (AS 488) (2) design development drawings and construction drawings of the capstone project (AS 490) (3) appraisal of Student technical skills by employers during internship (SEAS 398)
Criteria & Targets	75 % of students will have a 3.0 satisfaction rating on a 4 point scale
Results & Conclusion	Currently we have no reason to believe that this criteria needs to be changed. Since the program has a new faculty member joining in the upcoming academic year we will reevalaute the learning outcome and measures. 21-22: 82% of students 22-23: 84% of students 23-24: 76% of students

<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	The program faculty will continue to work on improving the program. The 2024-2025 academic year was difficult as the program had just two tenured/ tenure-track faculty as a result resources were stretched. With the arrival of a new faculty member in the 2025-2026 academic year we hope to see an improvement in student learning outcomes. We will watch the results closely to see what the results will be going forward and reevaluate as we move forward.
--	--

Program Student Learning Outcome 2	
Program Student Learning Outcome	Graduates will demonstrate an ability to possess effective oral/ written and/or graphic communication skills.
Evaluation	Students are evaluated on their oral and graphic communications skills during the capstone project by faculty and industry professionals. At the completion of schematic design students create a power point and/or presentation board highlighting necessary components of the project. Students also give a verbal presentation of their projects.
Measurement Instruments	(1) Appraisals from industry professionals of Schematic design presentations (AS 488). (2) Appraisals from industry professionals of capstone project presentations (AS 490). (3) Appraisal of student communication skills by employers during internship (SEAS 398).
Criteria & Targets	75 % of students will have a 3.0 satisfaction rating on a 4 point scale
Results & Conclusion	Currently we have no reason to believe that this criteria needs to be changed. Since the program has a new faculty member joining in the upcoming academic year we will reevalaute the learning outcome and measures. We fell short in the internship evaluations. The internship evalautions are completed by employers. Due to industry demand many students are getting internships earlier than in the past which could be a factor in this assessment. Many are not completely ready to complete internships early on in their careers. 21-22: 93% of students 22-23: 82% of students 23-24: 77% of students
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	The program faculty will continue to work on improving the program. The 2024-2025 academic year was difficult as the program had just two tenured/ tenure-track faculty as a result resources were stretched. With the arrival of a new faculty member in the 2025-2026 academic year we hope to see an improvement in student learning outcomes. We will watch the results closely to see what the results will be going forward and reevaluate as we move forward.

--

Program Student Learning Outcome 3	
Program Student Learning Outcome	Graduates will demonstrate the knowledge and capacity to manage a project through the different design phases
Evaluation	Students present their capstone work to industry professionals and faculty at the end of the semester. Students are assessed on their ability to have taken a design project from concept to construction documents. The rubric was completed by industry professionals and faculty.
Measurement Instruments	(1) Analysis of schematic design of capstone project. (2) Appraisals from industry professionals of capstone projects. (3) Appraisal of Students' project management skills by employers during internship.
Criteria & Targets	75 % of students will have a 3.0 satisfaction rating on a 4 point scale
Results & Conclusion	Currently we have no reason to believe that this criteria needs to be changed. Since the program has a new faculty member joining in the upcoming academic year we will reevalaute the learning outcome and measures. 21-22: 82% of students 22-23: 80% of students 23-24: 82% of students
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	The program faculty will continue to work on improving the program. The 2024-2025 academic year was difficult as the program had just two tenured/ tenure-track faculty as a result resources were stretched. With the arrival of a new faculty member in the 2025-2026 academic year we hope to see an improvement in student learning outcomes. We will watch the results closely to see what the results will be going forward and reevaluate as we move forward.