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| **Assurance of Student Learning Report**  **2020-2021** | |
| Ogden College | SEAS |
| ***Construction Management 533*** | |
| ***Dr. Stacy Wilson / Bashar Haddad*** | |

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| ***Use this page to list learning outcomes, measurements, and summarize results for your program. Detailed information must be completed in the subsequent pages.*** | | | |
| **Student Learning Outcome 1: Graduates will demonstrate the skills of construction management competencies including estimating, planning, scheduling, project control, safety management, quality management and construction law.** | | | |
| **Instrument 1** | **Based on internship host survey, at least 70% of our students will get ratings at or above very good in the “Technical Competence” survey question** | | |
| **Instrument 2** | **Based on a conducted employer survey (supervisor survey), at least 70% of our students will get ratings at or above very good in the “Technical Competence” survey question.** | | |
| **Based on your results, check whether the program met the goal Student Learning Outcome 1.** | | **Met** | **Not Met** |
| **Student Learning Outcome 2: Graduates will demonstrate their ability to prepare a real-world comprehensive construction management plan that integrates the use of standards and realistic contemporary constraints that may include control of health and safety issues, economics, and societal and global impacts.** | | | |
| **Instrument 1** | **Based on a peer review of all final Senior Research projects, a committee of practicing professionals from the construction industry and faculty in related disciplines will find that at least 70% of our students meeting the goals of the project with ratings at or above “4” on a 5-point scale.** | | |
| **Based on your results, check whether the program met the goal Student Learning Outcome 2.** | | **Met** | **Not Met** |
| **Student Learning Outcome 3: Graduates will have managerial and leadership experience through working in teams to solve problems, and participation in required internships.** | | | |
| **Instrument 1** | **Based on a peer review of all final Senior Research projects, by a committee of practicing professionals from the construction industry and faculty in related disciplines, at least 70% of our students will get ratings at or above “3” on a 5-point scale in the survey question on exhibiting fundamental managerial skills** | | |
| **Instrument 2** | **Based on internship host survey, at least 70% of our students will get ratings at or above very good in the survey question on exhibiting fundamental managerial skills** | | |
| **Based on your results, check whether the program met the goal Student Learning Outcome 3.** | | **Met** | **Not Met** |
| **Program Summary (Briefly summarize the action and follow up items from your detailed responses on subsequent pages.)** | | | |
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| **Student Learning Outcome 1** | | | | | | | |
| **Student Learning Outcome** | **Graduates will demonstrate the skills of construction management competencies including estimating, planning, scheduling, project control, safety management, quality management and construction law.** | | | | | | |
| **Measurement Instrument 1** | **Based on internship host survey, at least 70% of our students will get ratings at or above very good in the “Technical Competence” survey question** | | | | | | |
| **Criteria for Student Success** | Senior research project | | | | | | |
| **Program Success Target for this Measurement** | | | **70%** | | **Percent of Program Achieving Target** | **70%** | |
| **Methods** | Student presentation of their work on the project.  Student submittal of financial analysis, design and project execution plan  Construction Company representatives (Jury Panel) feedback on students’ work | | | | | | |
| **Measurement Instrument 2** | Students will demonstrate an ability to communicate effectively using oral, written, graphic and visual applications pertinent to the construction industry. | | | | | | |
| **Criteria for Student Success** | **Estimating project, scheduling project, OSHA certificate** | | | | | | |
| **Program Success Target for this Measurement** | | **70%** | | **Percent of Program Achieving Target** | | **70%** | |
| **Methods** | Student presentation of their work on the project.  Student submittal of estimates and work schedule  Construction Company representatives (Jury Panel) feedback on students’ work | | | | | | |
| **Measurement Instrument 3** | Students will demonstrate the knowledge and capacity to apply managerial/ leadership principles and practices to appropriate situations | | | | | | |
| **Criteria for Student Success** | **Project Management class, contract administration class and Technology Management/supervision** | | | | | | |
| **Program Success Target for this Measurement** | | **70%** | | **Percent of Program Achieving Target** | | **70%** | |
| **Methods** | **Internship employer evaluation**  **Internship student evaluation**  **Employer survey (supervisor survey)** | | | | | | |
| **Based on your results, highlight whether the program met the goal Student Learning Outcome 1.** | | | | | | **Met** | **Not Met** |
| **Actions** (Describe the decision-making process and actions for program improvement. The actions should include a timeline.) | | | | | | | |
| Actions should be specific and preferably in past tense (e.g. try to avoid stating what you are “planning” to do). Examples of changes include: Content in one or more courses was modified (list specific course(s)); one or more new courses were created (list specific course(s)); changed course sequence (detail modifications); changed admission criteria (detail modifications); changed instructional methodology (detail modifications); changed student advisement process (detail modifications); program suspended; changed textbooks; facility changed (e.g. classroom modifications); introduced new technology (e.g. smart classrooms, computer facilities, etc.); faculty hired to fill a particular content need; faculty instructional training; development of a more refined assessment tool. | | | | | | | |
| **Follow-Up** (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.) | | | | | | | |
| As we work hard to improve our assessment practices and make them more meaningful and effective, it’s important each program craft a plan for the following year’s assessment – this process assists in “closing the loop.” You made a plan for how you’ll improve achievement of the SLOs as part of the report (Actions/Closing the Loop), but you also need to explain, based on the current data, how you might shift your assessment practice the following year. For example, you may decide to work on the same learning outcome, but collect a more appropriate artifact. Or, you may need to shift to a different learning outcome because you’ve exceeded your target. Or, you might see the need to reconstruct your curriculum map. Or, you’ve found that the sequencing of classes might need to be adjusted. Whatever you plan is, provide a narrative, in future tense, that indicates how you will approach future assessments. **All changes need not lead to quantitative results**. Feel free to use more qualitative indicators or observations as appropriate. | | | | | | | |
| **Next Assessment Cycle Plan** (Please describe your assessment plan timetable for this outcome) | | | | | | | |
| When will this outcome be assessed again? It is perfectly fine to not assess every outcome every year; however, it is important to note *when* it will be assessed again.  Please include the year this outcome will be assessed again, when and what data/artifacts will be collected, what courses will be sampled, and who will be responsible for collecting and providing data and information. | | | | | | | |

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| **Student Learning Outcome 2** | | | | | | | |
| **Student Learning Outcome** |  | | | | | | |
| **Measurement Instrument 1** | **Graduates will demonstrate their ability to prepare a real-world comprehensive construction management plan that integrates the use of standards and realistic contemporary constraints that may include control of health and safety issues, economics, and societal and global impacts.** | | | | | | |
| **Criteria for Student Success** | **Based on a peer review of all final Senior Research projects, a committee of practicing professionals from the construction industry and faculty in related disciplines will find that at least 70% of our students meeting the goals of the project with ratings at or above “4” on a 5-point scale.** | | | | | | |
| **Program Success Target for this Measurement** | | | **Preparation for the job, and work productivity** | | **Percent of Program Achieving Target** | 70% | |
| **Methods** | Industry survey | | | | | | |
| **Measurement Instrument 2** | **Based on a conducted employer survey (supervisor survey), at least 70% of our students will get ratings at or above very good in the**  **“Technical Competence” survey question.** | | | | | | |
| **Criteria for Student Success** | **Quality of work, project management skills and time management** | | | | | | |
| **Program Success Target for this Measurement** | | **70%** | | **Percent of Program Achieving Target** | | **70%** | |
| **Methods** | Industry survey | | | | | | |
| **Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.** | | | | | | **Met** | **Not Met** |
| **Actions** (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.) | | | | | | | |
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| **Follow-Up** (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.) | | | | | | | |
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| **Next Assessment Cycle Plan** (Please describe your assessment plan timetable for this outcome) | | | | | | | |
| When will this outcome be assessed again? It is perfectly fine to not assess every outcome every year; however, it is important to note *when* it will be assessed again.  Please include the year this outcome will be assessed again, when and what data/artifacts will be collected, what courses will be sampled, and who will be responsible for collecting and providing data and information. | | | | | | | |

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| **Student Learning Outcome 3** | | | | | | | |
| **Student Learning Outcome** | **Graduates will have managerial and leadership experience through working in teams to solve problems, and participation in required internships.** | | | | | | |
| **Measurement Instrument 1** | **Based on a peer review of all final Senior Research projects, by a committee of practicing professionals from the construction industry and faculty in related disciplines, at least 70% of our students will get ratings at or above “3” on a 5-point scale in the survey question on exhibiting fundamental managerial skills** | | | | | | |
| **Criteria for Student Success** | Critical thinking and team building/team work | | | | | | |
| **Program Success Target for this Measurement** | | | 70% | | **Percent of Program Achieving Target** | 70% | |
| **Methods** |  | | | | | | |
| **Measurement Instrument 2** | **Based on internship host survey, at least 70% of our students will get ratings at or above very good in the “Technical Competence” survey question** | | | | | | |
| **Criteria for Student Success** | **Successful completion of the internship and submit the final report** | | | | | | |
| **Program Success Target for this Measurement** | | **70%** | | **Percent of Program Achieving Target** | | **70%** | |
| **Methods** | **Internship employer evaluation and faculty evaluation of the report** | | | | | | |
| **Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 3.** | | | | | | **Met** | **Not Met** |
| **Actions** (Describe the decision-making process and actions for program improvement. The actions should include a timeline.) | | | | | | | |
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| **Follow-Up** (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.) | | | | | | | |
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| **Next Assessment Cycle Plan** (Please describe your assessment plan timetable for this outcome) | | | | | | | |
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