

# ANNUAL PROGRAM REPORT



Students: Demand for construction management graduates is very strong. The majority of our graduates are employed in construction management positions mainly in the Bay Area.

Faculty: Since 2009, we have hired four faculty members. In 2009, Dr. Farzad Shahbodaghlou joined the School of Engineering in the capacity of Director of Construction Management Program. In 2012 Dr. Cristian Gaedicke joined the program followed by Drs. Akhavian in 2015 and Castronovo in 2016. Dr. Akhavian is on leave for the second year. He is unlikely to return. Drs. Shahbodaghlou and Gaedicke are tenured and Drs. Akhavian and Castronovo are tenure-track faculty.

Staff: We have one full time staff advisor for the School of Engineering, Mrs. Lisa Holmstrom and a laboratory technician, Mr. Linh Nguyen. In addition, we have a part-time assistant for the office of the School of Engineering.

Resources: Room SCS 247, Materials Testing Laboratory, has been remodeled to a lab-lecture room with a capacity of 36. Flexible furniture suitable for active learning practices have been installed.

Assessment: An extensive assessment process is in place for the Construction Management program. Sample results are provided in the following section.

### SUMMARY OF ASSESSMENT *(suggested length of 1-2 pages)*

#### Program Learning Outcomes (PLO)

1. Have knowledge in the core construction management areas (construction materials and methods, safety, codes, scheduling, commissioning, planning and control, project management, construction law, cost accounting, human resources management, environmental and safety issues in construction),
2. Have knowledge in broad areas of construction management beyond the core areas,
3. Communicate effectively,
4. Function in teams,
5. Have the knowledge of sustainable building and construction techniques and relevant state regulations,
6. Have an awareness of the complex environment (involving professional and ethical responsibilities) in which they will practice their profession,
7. Educate themselves and be prepared for lifelong learning and professional development, and
8. Have experience in solving real life problems.

*practice. ILO to PLO mapping is shown below:*

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6. <i>Assessment Instrument</i>	Program rubric
7. <i>Time (which semester(s))</i>	b-

	project delivery methods and associated risks. Analyze contractual information and bidding and procurement processes.
5. <i>Assessment indicators</i>	h-Project and exams;
6. <i>Assessment instrument</i>	Program rubric
7. <i>Time (which semester(s))</i>	h-Fall 2020;
8. <i>Responsible person(s)</i>	h-Prof Castronovo;
9. <i>Ways of reporting (how, to who)</i>	The results (quantitative) will be reported by faculty to the department chair via completion of the course Faculty Self-Assessment form.
10. <i>Ways of closing the loop</i>	Interaction between chair, faculty and industrial advisory board

### DISCUSSION OF PROGRAM DATA & RESOURCE REQUESTS

*Each program should provide a one*



We anticipate that this program will be growing given the level of interest and our outreach efforts to community colleges.

*Request for Resources (suggested length of 1 page)*

Upkeep of the laboratory software and hardware, access to large computer lab/classes for some of