VISION STATEMENT: The CSUS Construction Management Program faculty and staff will consistently attain the highest standards in the development of practical construction excellence and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES (PEO):
A set of expectations that the Program establishes for students to be able to achieve after they graduate.

1. Develop the analytical and technical skills to succeed in the construction industry.
2. Lead project participants to successful outcomes (understand and apply the practices of effective leadership).
3. Communicate effectively with the full range of participants in the construction process.
4. Practice construction management in a professionally responsible and ethical manner.
5. Develop an understanding of the social, political, and economical forces that affect the industry (lifelong learning).

PROGRAM LEARNING OUTCOMES (PLO):
A set of objectives that the students are expected to accomplish as they go through the program.

1A. Critical thinking and analytical skills
1B. Knowledge of construction materials, equipment, and design
1C. Engineering knowledge
1D. Finance, cost development, and control
2. Management knowledge/skills
3. Communication skills
4. Legal and ethics knowledge and practices
5. Sociopolitical and economical influences

COURSE LEVEL LEARNING OUTCOMES:
Standardized Course Syllabus lists the Course Objectives and Specific Educational Outcomes.

SECONDARY MISSION:
CM Program to serve as a source of education, training, and research for organizations performing construction services, when resources permit and demand exists.

TOPICS UNDER CONSIDERATION:
OSHA 10/30 Training
DBIA Courses
LEED Certification
Construction Certificate Program for Civil Engineers

ACADEMIC QUALITY PLAN
(Academic Year 2012/13)
### Program Educational Objectives (PEO):
A set of expectations that the Program establishes for students to be able to achieve after they graduate

<table>
<thead>
<tr>
<th>PE0 1</th>
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### Assessment Measures

| Comprehensive Curriculum Review | Industry, Alumni, Adjunct Faculty, and Full-time Faculty | Workshop Meeting held on Campus | PENDING Data to be collected beginning in January 2013 | Records to be kept by CM Department and results reported on website |
| Sacramento Construction Management Education Foundation (SCMEF) | Representatives on the Industry Advisory Board (owners, managers) | Feedback and Input from members during regular board meetings | Department Chair discusses action items with department faculty, and faculty decide on changes to be implemented | Meeting Minutes kept for all board meetings, CM Department Chair attends all meetings |
| Industry Surveys | Employers, Association Members | Surveys for employers to report on student interns and alumni employed with their company | PENDING Data to be collected beginning in January 2013 | Records to be kept by CM Department and results reported on website |
| Alumni Surveys | Graduates of the Program | Online Surveys for Alumni 3 and 6 years outside graduation | PENDING Data to be collected beginning in January 2013 | Records to be kept by CM Department and results reported on website |
| Shared Ideas with Colleagues from other universities | Faculty and Industry | ASC Conferences, ACCE meetings, MCAA summits and conferences, AGC conferences | Discussions on Assessment techniques, BIM course offerings, training sessions, ACCE standards and case studies | Notes recorded at meetings and ideas shared with other department faculty at bimonthly meetings |

### Constituents

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### Analysis Method

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### Cyclic Process

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PROGRAM LEARNING OUTCOMES (PLO):
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PLO 1A Critical thinking and analytical skills
PLO 1B Knowledge of construction materials, equipment, and processes
PLO 1C Engineering knowledge
PLO 1D Finance, cost development and control
PLO 2 Management knowledge/skills
PLO 3 Communication skills
PLO 4 Legal and ethics knowledge and practices
PLO 5 Sociopolitical and economical influences

ASSESSMENT MEASURES
- Curriculum Committee
- Major Advising
- Senior Exit Interviews
- Graduating Senior Surveys
- Student Competition Events – ASC, MCAA, NECA

CONSTITUENTS
- Full-time Faculty
- Undergraduate Students
- Graduating Seniors
- Industry/Alumni team coaches, Industry problem sponsors, students, faculty

DATA COLLECTION
- On-going, proposed curriculum changes are discussed at the department meetings
- Cyclical, mandatory each year for all students.
- Oral interviews with Department chair and each graduate
- Form to be completed and dropped off with department office
- Workshop Meeting held on Campus

ANALYSIS METHOD
- Changes are approved at the faculty level, then the college committee, and finally at the university level.
- Issues are discussed about the student’s experience in the program, and concerns are alleviated.
- Findings resulting from the interviews are shared with the CM faculty to determine if changes are warranted.
- Findings resulting from the surveys are shared with the CM faculty to determine if changes are warranted.
- As a result of the experience in the competition, feedback is provided for faculty to consider revised subject matter in the classroom

RECORDKEEPING
- Curriculum flow charts reflect changes to the courses
- Student records and advisor notes are kept in a red student file folder in department office
- Student names are kept confidential, but the forms are filed by the dept chair
- Findings resulting from the surveys are shared with the CM faculty to determine if changes are warranted.
- Student names are kept confidential, but the forms are filed by the dept chair

CYCLIC PROCESS
- On-going, bi-monthly department meetings
- Mandatory for all CM students every spring semester
- Annually
- Annually
- Annually
INDIVIDUAL COURSE LEVEL ASSESSMENT

COURSE LEVEL LEARNING OUTCOMES:
- Standardized Course Syllabus lists the Course Objectives and Specific Educational Outcomes

COURSE MAPPING

| PLO | CM 9 | CM 10 | CM 20 | CM 21 | CM 22 | CM 30 | CM 40 | CM 110 | CM 111 | CM 120 | CM 121 | CM 124 | CM 126 | CM 127 | CM 129 | CM 130 | CM 135 | CM 136 | CM 138 | CM 140 | CM 150 |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1A  | X    | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     | X     |
| 1B  | X    | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1C  | X    | X     | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1D  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 2   |       |       |       |       |       |       |       | X     | X     | X     | X     | X     | X     |       |       |       |       |       |       |       |       |       |       |
| 3   |       |       |       |       |       |       |       |       | X     | X     | X     | X     | X     |       |       |       |       |       |       |       |       |       |       |
| 4   |       |       |       |       |       |       |       |       |       | X     | X     |       |       |       |       |       |       |       |       |       |       |       |
| 5   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

ASSESSMENT MEASURES

- Student Evaluations of Teachers (SET)
- Faculty Course Reflections

CONSTITUENTS

- Students
- Full-time faculty, and adjunct faculty

DATA COLLECTION

- Evaluations are proctored by department administrative support
- Faculty voluntarily participate in this evaluation of their work.

ANALYSIS METHOD

- Faculty receive copies of the evaluations after the semester is completed, and are advised to be proactive with changes to their course.
- Faculty analyze their own data and make adjustments to their course materials as they feel necessary.

RECORDKEEPING

- Records kept by the dean’s officer, and made available to faculty for review
- Faculty keep their own records, but will soon be required to summarize their findings for annual assessment reports

CYCLIC PROCESS

- At the end of every semester for all courses, mandatory
- At the end of every semester for all courses, will become mandatory beginning fall 2012

PROPOSED 2012/14 Assessment Plan – allowing 2 years to fully implement per the schedule below:

Faculty to map their individual course material to the Program Learning Objectives (PLO) per the above mapping table. Specific material in the form of quizzes, assignments, and test problems must be collected for data analysis. Once the data is collected, then the faculty will analyze and report on their findings, such as what changes will be implemented in the course to improve the course outcome. Additionally, faculty will map the ACCE topical standards to their course material to include at a minimum of listing the standards reference section alongside the topics in the course outline on the syllabus.

- **FALL 2013:** CM 10, CM 21, CM 121, CM 126
- **SPRING 2014:** CM 9, CM 22, CM 30, CM 111, CM 135, CM 140, CM 129
- **FALL 2014:** CM 40, CM 110, CM 120, CM 121, CM 124, CM 130, CM 136, CM 139, CM 150
- **SPRING 2015:** CM 20, CM 125, CM 127