TO: The Academic Senate
FROM: Committee on Instruction & Curriculum (CIC)
SUBJECT: Engineering Certificates
PURPOSE: For Action by the Academic Senate

ACTION REQUESTED: That the Academic Senate approve the two new graduate certificate programs in “Construction Project Administration” and “Construction Planning and Control”; effective Fall 2012

BACKGROUND INFORMATION: After a lengthy consideration of logistical issues related to these “self support” certificates and with helpful testimony from the Engineering Department representatives, CIC approved these proposed Engineering Certificates unanimously at its meeting on April 4, 2011.

CIC reviewed the revised certificate proposals, which provided additional clarity as to the logistical issues, and approved them via email on May 9th. After careful consideration of the content and purpose of these proposed Engineering Certificates, the members of CIC concur in the recommendation of CAPR that the proposals be approved.

(see also 10-11 CAPR 8 revised)
REQUEST FOR APPROVAL OF NEW GRADUATE CERTIFICATE
IN CONSTRUCTION PLANNING AND CONTROL

1. Department: Engineering

2. Full and exact title of Certificate: Construction Planning and Control

3. Purpose of the proposed aggregate of courses: To increase the enrollment in the engineering program and to create visibility for the Engineering Department in local industry. In these times of tight budgets it is essential that we develop innovative programs to increase the Engineering enrollment. The increase in enrollment and funding as a result of this certificate program will come from two sources:
   (a) Existing graduate students in Construction Management, Engineering and graduate students from other Departments could enroll in this certificate program to add to their credentials and increase their employment opportunities.
   (b) We will target working engineers and other employees in construction to enroll in this program.

4. List of all requirements including the courses, by catalog prefix number, title, and units of credit, as well as total units to be required under the proposed Certificate.

<table>
<thead>
<tr>
<th>COURSE CATALOG NUMBER</th>
<th>TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMGT 6400</td>
<td>Construction Cost Estimating</td>
<td>4</td>
</tr>
<tr>
<td>CMGT 6500</td>
<td>Construction Project Planning and Control, Computer Tools</td>
<td>4</td>
</tr>
<tr>
<td>CMGT 6600</td>
<td>Financial Decision Making and Reporting in Construction</td>
<td>4</td>
</tr>
<tr>
<td>CMGT 6800</td>
<td>Construction Safety</td>
<td>4</td>
</tr>
</tbody>
</table>

Certificate: 16

5. List of new courses that were developed and existing courses that needed modification as a result of this new Option or Minor, if any, submitted along with this proposal. None, courses already exist.

6. Resource implications of the proposed new Option or Minor, if any:
   None

7. Relationship of proposed program to requirements for teaching credentials, accreditation, and/or licensing. N/A

8. Consultation with other affected departments and program committee:
   a) The following department(s) has (have) been consulted and raise no objections:
      All Academic Departments and Programs at CSUEB were consulted, using the Curriculum
Sharepoint site, and there were no objections.

b) The following department(s) has (have) been consulted and raise concerns: None
Department:
Concern:

9. Certification of DEPARTMENT APPROVAL by the chair and faculty.

Chair: Original signed by Saeid Motavalli Date: 10/6/10

10. Certification of COLLEGE APPROVAL by the dean and college curriculum committee.

Dean/Associate Dean: Original signed by Alan Monat Date: 10/21/10
REQUEST FOR APPROVAL OF NEW GRADUATE CERTIFICATE
IN CONSTRUCTION PROJECT ADMINISTRATION

3. Department: Engineering

4. Full and exact title of Certificate: Construction Project Administration

3. Purpose of the proposed aggregate of courses: To increase the enrollment in the engineering program and to create visibility for the Engineering Department in local industry. In these times of tight budgets it is essential that we develop innovative programs to increase the Engineering enrollment. The increase in enrollment and funding as a result of this certificate program will come from two sources:
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<tr>
<td>CMGT 6200</td>
<td>Legal Issues in Construction Management</td>
<td>4</td>
</tr>
<tr>
<td>CMGT 6300</td>
<td>Environmental Issues and Green Building</td>
<td>4</td>
</tr>
<tr>
<td>CMGT 6700</td>
<td>Construction Risk Management and Commissioning</td>
<td>4</td>
</tr>
<tr>
<td>CMGT 6850</td>
<td>Current Issues in Construction Management</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units for Certificate: 16</strong></td>
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