COMMITTEE ON INSTRUCTION AND CURRICULUM

14-15 CIC 18
Monday, February 02, 2015

TO: The Executive Committee
FROM: The Committee on Instruction and Curriculum (CIC)
SUBJECT: 14-15 CIC 18: Construction Management BS Major revision for 180 unit compliance
PURPOSE: For Action by the Academic Senate

BACKGROUND INFORMATION:
At its meeting on February 2, 2015, the CIC voted unanimously to recommend that the Construction Management BS program be allowed to count the "code" courses towards lower division area D GE in order to facilitate the program's attempts to stay under 180 units and correspond to accreditation standards.

ACTION REQUESTED:
The Senate approve the double-counting of the "code" courses with lower division area D General Education for the Construction Management BS Program.
CALIFORNIA STATE UNIVERSITY, EAST BAY
REQUEST FOR APPROVAL OF REVISION OF THE
DEGREE PROGRAM/MAJOR IN BS Construction Management
[Enter name of major as it shows in the current university catalog.]

Quarter: FALL Year: 2015 Catalog: 2015-2016

Date Submitted to APGS: 6/17/2014 (resubmitted 12/15/14)

[Note: If you want to move an existing degree program to on-line, please e-mail Sue Opp, Associate Vice President, Academic Programs and Graduate Studies; and copy Tamra Donnelly, Academic Programs and Accreditation Specialist, Academic Programs and Graduate Studies, for additional instructions.]

1. Department: Engineering

2. Full and exact title of Major including degree earned [e.g., English B.A.]:
   B.S. Construction Management

3. Purpose of the proposed revision: [Why does this major need to be revised?]
   The program is not meeting the accreditation requirements. Higher level Math and inclusion of at least 16 credit hours (4 courses) of Business related courses are required.

4. List of all program requirements including prerequisites and courses. A comparison of the existing and proposed portions of the program must be provided. This should be done by copying and pasting the existing catalog section(s) and revising by indicating deleted text using strikethrough (deleted text), and added text using underline (added text). For sections that are heavily revised, strikethrough the entire pertinent text section (text) and enter the new text underneath indicated by underline.
   Total required units in both old and new programs must be included even if there is no change.

   See attached.

   | Total Units required: | Old Program: 121 | New Program: 128 |

5. Effects, if any, on the departments Program Learning Outcomes. [Will this revision result in any changes to your Program Learning Outcomes?]
   The Program Learning Outcomes will not be affected.

6. List of New Course, Course Modification, and Course Discontinuance Requests, if any, submitted along with this proposal (Be sure to include all such course proposals and list in the following format, “ABCD 1234, Introduction to Curriculum (4) – New):
7. Is this major approved as a “similar” degree under the STAR Act (SB 1440)? □ Yes □ No
[If yes, explain how this modification will affect the “similar” degree agreement.]

8. Resource Implications of the proposed revision, if any: [Include the need for student fees and other resources such as faculty, facilities, equipment, and library that will not be covered by the department budget. List all resources needed for the first five years beyond those currently projected, including specific resources, cost, and source of funding.]

[All signatories of this proposal understand and recognize that the approval of a new course does not guarantee that it will be offered or guarantee the frequency of its offering.]

7. Relationship of Revised Program to requirements for teaching credentials, accreditation and/or licensing, if any:
   □ Not Applicable

8 Consultation with other affected departments and program committee:
   a) The following department(s) has (have) been consulted and raise no objections:

   Math Department and Management Department and all other CSCI Departments were consulted via CSCI Curriculum Committee. All Academic Departments and Programs at CSUEB were consulted using the Sharepoint Curriculum site and there were no objections.

   b) The following department(s) has (have) been consulted and raised concerns:

   If there were unresolved objections to this curriculum request after listing it on the Curriculum SharePoint site for five working days, indicate the objecting department or program below, along with the specific concern. If there were no unresolved objections, enter “None” here.

9. Certification of Department Approval by the chair and faculty.

   Chair: Saeid Motavalli ____________________________________________ Date: 2/14/2014
   [Print Department chair’s name here. Chair shall sign a hard copy for the College Office files.]

10. Certification of College Approval by the dean and college curriculum committee.

    Dean/Associate Dean: _____________________ Alan Monat _____________________ Date: 6/17/2014
    [Print Dean or Associate Dean’s name here. A hard copy shall be signed for the College Office files.]
B.S. Construction Management

1. Lower Division Courses (523 Units)
   - ACCT 2251 Financial Reporting and Analysis I (4)
   - CHEM 1100 Introduction to College Chemistry (5) B1/B3 (4)
   - CMGT 1011 Introduction to Construction Management (4)
   - CMGT 2011 Surveying and Blueprint Reading (4)
   - CMGT 2060 Construction Methods and Material I (4)
   - CMGT 2070 Construction Methods and Material II (4)
   - ECON 2301 Principles of Microeconomics (4) D1 (4)
   - ENGR 1420 Engineering Graphics (2)
   - MATH 1130 College Algebra (4)
   - MATH 1300 Trigonometry and Analytic Geometry (4)
   - MATH 1304 Calculus I (4) (B4) (4)
   - PHYS 2701 Introductory Physics (4) B5 (4)
   - PHYS 2702 Introductory Physics (4)
   - PSYC 1000 General Psychology (5) B2 (4)
   - STAT 1000 Elements of Probability and Statistics (5)
   - STAT 3031 Statistical Methods in Biology (4) B4 (4)

2. Upper Division Courses (60 68 units)
   - CMGT 3101 Statics (4)
   - CMGT 3190 Construction Safety (4)
   - CMGT 3280 Construction Law (4)
   - CMGT 3400 Construction Project Management and Commissioning (4)
   - CMGT 3450 Building Codes (4)
   - CMGT 3600 Soil Mechanics and Building Foundations (4)
   - CMGT 4100 Engineering Graphics for Construction Management (4)
   - CMGT 4200 Construction Scheduling (4)
   - CMGT 4250 Electrical and Mechanical Systems in Construction (4)
   - CMGT 4300 Environmental Issues and Green Building (4)
   - CMGT 4400 Construction Cost Estimation (4)
   - CMGT 4500 Construction Project Planning and Control, Computer Tools (4)
   - CMGT 4610 Senior Project I (4)
   - CMGT 4620 Senior Project II (4)
   - INDE/ENGR 3140 Engineering Economy (4) D4 (4) (GE double count)
   - MGMT 3600 Theories of Management (4)
   - MGMT 3610 Human Resources Management (4)

3. Electives Courses (8 Units)
   Eight (8) quarter units from the following courses or other 3000 or 4000 level Business courses with department approval.
   - ACCT 2253 Introduction to Managerial Accounting (4)
   - ACCT 2701 Legal Environment of Business (4)
   - ACCT 3210 Cash Management (4)
   - ACCT 3230 Cost Management (4)
   - ENGR 3190 Human Factors Engineering (4)
   - ENGR 3140 Engineering Economy (4)
   - FIN 3300 Financial Management (4)
   - FIN 4410 Financing Real Estate Operations (4)
   - FIN 4415 Real Estate Investment Analysis and Advanced Appraisal (4)
   - MGMT 3100 Decision Science (4)
   - MGMT 3600 Theories of Management (4)
   - MGMT 3645 Global Supply Chain Management (4)
Major: 128 units

GE: 72 units

GDR: 12 units

Total: 212

- 24 units (6 double counting courses @ 4 units each)

Total: 188 units

- 8 units of code count as Social Science

Total: 180 units