<table>
<thead>
<tr>
<th>ACTION DESIRED</th>
<th>Trial Course</th>
<th>New Course</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>COURSE IDENTIFICATION</td>
<td>Dept</td>
<td>CE</td>
<td>Course #</td>
</tr>
<tr>
<td>PROPOSED COURSE TITLE</td>
<td>Project Management Organization and Delivery Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To be CROSS LISTED?</td>
<td>YES/NO</td>
<td>No</td>
<td>If yes, Dept:</td>
</tr>
<tr>
<td>FREQUENCY OF OFFERING</td>
<td>As demand warrants</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMESTER &amp; YEAR OF FIRST OFFERING</td>
<td>As demand warrants</td>
<td></td>
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</tr>
<tr>
<td>CONTACT HOURS PER WEEK</td>
<td>4.5 LECTURE hours/weeks</td>
<td>LAB hours /week</td>
<td>PRACTICUM hours /week</td>
</tr>
<tr>
<td>CONTACT FORMATS</td>
<td>1</td>
<td>2</td>
<td>X</td>
</tr>
<tr>
<td>OTHER FORMAT</td>
<td>Two 2 hour and 15 minute lectures per week for three weeks delivered face-to-face or via video conferencing.</td>
<td></td>
<td></td>
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<tr>
<td>Mode of delivery</td>
<td>Lectures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMPLETE CATALOG DESCRIPTION</td>
<td>CE F652A, Project Management Organization and Delivery Systems, 1 credit</td>
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</table>
Engineering projects are conceived, planned, designed, built and operated using a variety of project organizations: functional, product, regionalized matrix, and projectized. Construction projects are delivered using a variety of systems: low bid, design-build, construction manager at risk, build own, and public private partnerships. Understanding the similarities and differences in these organizations and delivery systems, their varying responsibility matrices and information flow facilitates adaptations between them.

11. **COURSE CLASSIFICATIONS:** (undergraduate courses only. Use approved criteria found on Page 10 & 17 of the manual. If justification is needed, attach on separate sheet.)
   - H = Humanities
   - S = Social Sciences

   Will this course be used to fulfill a requirement for the baccalaureate core?
   - YES
   - NO

   IF YES, check which core requirements it could be used to fulfill:
   - O = Oral Intensive,
     Format 6
   - W = Writing Intensive,
     Format 7
   - Natural Science,
     Format 8

12. **COURSE REPEATABILITY:**
   - Is this course repeatable for credit? YES
   - NO

   Justification: Indicate why the course can be repeated
   (for example, the course follows a different theme each time).

   How many times may the course be repeated for credit?
   - TIMES

   If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?
   - CREDITS

13. **GRADING SYSTEM:** Specify only one.
   - LETTER: X
   - PASS/FAIL:

14. **PREREQUISITES**
   - None

   These will be required before the student is allowed to enroll in the course.

   **RECOMMENDED**
   - Admission to the Graduate Certificate in Construction Management program
   Classes, etc. that student is strongly encouraged to complete prior to this course.

15. **SPECIAL RESTRICTIONS, CONDITIONS**

16. **PROPOSED COURSE FEES**
   - $

   Has a memo been submitted through your dean to the Provost & VCAS for fee approval? Yes/No

17. **PREVIOUS HISTORY**
   - Has the course been offered as special topics or trial course previously? Yes/No
   - No

   If yes, give semester, year, course #, etc.:

18. **ESTIMATED IMPACT**
   - What impact, if any, will this have on budget, facilities/space, faculty, etc.
   - These courses were approved by the Board of Regents for special tuition and are expected to be self-supporting

19. **LIBRARY COLLECTIONS**
   - Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.
20. **IMPACTS ON PROGRAMS/DEPTS**

What programs/departments will be affected by this proposed action?
Include information on the Programs/Departments contacted (e.g., email, memo)

The Graduate Certificate in Construction Management and its courses was approved by the CEE faculty and the CEM dean.

21. **POSITIVE AND NEGATIVE IMPACTS**

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

This course follows the New Degree Program Request which examined the growth in the CEE department. No additional positive or negative impacts from this course are likely.

**JUSTIFICATION FOR ACTION REQUESTED**

The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

This course is part of a UAF CEE outreach to package our graduate classes in a way that is convenient to students and their employers. This outreach was formalized in a New Degree Program Request for a Graduate Certificate in Construction Management which was approved by the UA Board of Regents in September 2009. The courses in this program grew out of a needs assessment by UAF CEE of Alaska engineering employers, including governments, consultants, and contractors, that indicated that courses of about one credit’s intensity were best. The classes are being taught by UAF faculty, emeritus faculty, or appropriate adjuncts approved by the CEE faculty and Chair. All classes feature an assessment process: tests, reports, presentations, and/or graded homework.

**APPROVALS:**

Signature, Chair, Program/Department of:  
Date:

Signature, Chair, College/School Curriculum Council for:  
Date:

Signature, Dean, College/School of:  
Date:
Offerings above the level of approved programs must be approved in advance by the Provost.

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

<table>
<thead>
<tr>
<th>Signature, Chair, UAF Faculty Senate Curriculum Review Committee</th>
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**ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)**

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Outline Syllabus

Project Management Organization and Delivery Systems

1. Course information:

Project Management Organization and Delivery Systems, CE F652A, One credit, Prerequisites: Recommended Admission to the Graduate Certificate in Construction Management Program.

*Location* and *Meeting Time* will be specific to each offering of the course.

2. Instructor (and if applicable, Teaching Assistant) information:

*Instructors Name, Office Location, Office Hours*, as well as *Telephone* and *Email* contact information will be specific to each offering of the course.

3. Course readings/materials:

Handout of text material and assigned materials students will download from the Internet.

4. Course description:

Engineering projects are conceived, planned, designed, built and operated using a variety of project organizations: functional, product, regionalized matrix, and projectized. Construction projects are delivered using a variety of systems: low bid, design-build, construction manager at risk, build own, and public private partnerships. Understanding the similarities and differences in these organizations and delivery systems, their varying responsibility matrices and information flow facilitates adaptations between them.

5. Course Goals (general), and (see #6)

Improve the student’s skills in managing construction and project contracts.

6. Student Learning Outcomes (more specific)

Student will be able to write a “Project Management Plan” that explains the stages of the project and the responsibilities of the parties and personnel at each stage. Plan will include: project scope, acquisition strategy, schedule/milestones, budget, resource plan, project delivery team, organizational roles & responsibilities, quality objectives, change management, communications plan, risk management plan, project closeout, safety and health plan.

7. Instructional methods:

Face to face lecture and remote lectures via video conferencing, student presentations and reports. Students will use the Internet to download some instruction material.
8. **Course calendar:**

**Class 1**
Introduction
Delivery System Overview

**Class 2**
Role of the Project Manager
Project Scope

**Class 3**
Scheduling and Milestones
Budgets and Resources

**Class 4**
Quiz
Project Team and Roles
Communication Plans

**Class 5**
The Project Management Plan
Plan Updates

**Class 6**
Project Due
Risk Management

9. **Course policies:**

Due to the limited number of classes, attendance and class participation is expected in all classes, unless arranged otherwise with the instructor, and will be considered in determining final grade. Plagiarism will not be tolerated.

10. **Evaluation:**

The final grade will be determined on the following basis:

- Final project (written) 55%
- Quiz 20%
- Class participation 13%
- Attendance (6 @2%) 12%

11. **Support Services:**

Administrative services for the course are provided by the Center for Distance Education 907-479-4757 and technical assistance by Video Conferencing Services 1-800-910-9601
12. Disabilities Services:

The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (208 WHIT, 474-5655) to provide reasonable accommodation to students with disabilities.