Submit original with signatures + 1 copy+ electronic copy to UAF Governance.
See http://www.uaf.edu/uafgov/faculty/cd for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department: Civil and Environmental Eng.  
Prepared by: Robert Perkins  
Email Contact: raperkins@alaska.edu  
College/School: CEM  
Phone: 474 7694  
Faculty Contact: Robert Perkins

1. ACTION DESIRED
(CHECK ONE):
Trial Course  
New Course  

2. COURSE IDENTIFICATION

<table>
<thead>
<tr>
<th>Dept</th>
<th>CE</th>
<th>Course #</th>
<th>No. of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>F660A</td>
<td>1</td>
<td></td>
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</table>

3. PROPOSED COURSE TITLE:
Planning and Project Definition

4. To be CROSS LISTED?
YES/NO

(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

5. To be STACKED?
YES/NO

(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

6. FREQUENCY OF OFFERING:
As demand warrants

7. SEMESTER & YEAR OF FIRST OFFERING (if approved)
As demand warrants

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

<table>
<thead>
<tr>
<th>COURSE FORMAT: (check all that apply)</th>
</tr>
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<tbody>
<tr>
<td>1</td>
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</tbody>
</table>

OTHER FORMAT (specify)

Mode of delivery (specify lecture, field trips, labs, etc)

Lectures

9. CONTACT HOURS PER WEEK:

<table>
<thead>
<tr>
<th>LECTURE hours/weeks</th>
<th>LAB hours /week</th>
<th>PRACTICUM hours /week</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5</td>
<td></td>
<td></td>
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</tbody>
</table>

Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See http://www.uaf.edu/uafgov/faculty/cd/credits.html for more information on number of credits.

OTHER HOURS (specify type)
N/A

10. COMPLETE CATALOG DESCRIPTION including dept., number, title and credits (50 words or less, if possible):
CE F660A, Planning and Project Definition, 1 credit
Students will learn to define project objectives; clarify scope of work, and establish a Project Management Plan. Instruction will also be provided on working with and coordination of non-engineering disciplines.

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: |

RESTRICTIONS ON ENROLLMENT (if any)

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

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.

| No | X | Yes |

No library involvement

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: ____________
Signature of Provost (if applicable)__________________________ 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

Signature, Chair, UAF Faculty Senate Curriculum Review Committee ____________________________ Date: ____________
Outline Syllabus

Planning and Project Definition

1. Course information:

Planning and Project Definition CE F660A, 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 material students will download from the Internet.

4. Course description:

Students will learn to define project objectives, clarify scope of work, and establish a Project Management Plan. Instruction will also be provided on working with and coordination of non-engineering disciplines.

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

Improve the student’s skills in managing construction.

6. Student Learning Outcomes (more specific)
Understand the need to define the project objectives and issues and impacts if it is not done or not done clearly. Understand how to define and clarify the scope of work based on project objectives and establish a Project Management Plan. Understand the goals and abilities of non-engineering disciplines and how to manage their integration into a project.

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
Identification of Project Objectives

Class 2
Identification of project impacts on externalities
Redefining Project Scope

Class 3
Identification of project issues
Redefining Project Scope

Class 4
Realizing the Project Scope – The Project Management Plan
Understanding non-engineering entities

Class 5
Refining the Management Plan
Case Studies

Class 6
Class presentations – final paper due

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 presentation (written: 40%; oral: 25%) 65%
Class participation 23%
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.