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:

<table>
<thead>
<tr>
<th>Department</th>
<th>Civil and Environmental Eng.</th>
<th>College/School</th>
<th>CEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepared by</td>
<td>Robert Perkins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Contact</td>
<td><a href="mailto:raperkins@alaska.edu">raperkins@alaska.edu</a></td>
<td>Faculty Contact</td>
<td>Robert Perkins</td>
</tr>
</tbody>
</table>

1. ACTION DESIRED (CHECK ONE):

- Trial Course
- New Course X

2. COURSE IDENTIFICATION:

<table>
<thead>
<tr>
<th>Dept</th>
<th>Course #</th>
<th>No. of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>F652B</td>
<td>1</td>
</tr>
</tbody>
</table>

Justify upper/lower division status & number of credits:

Course is intended for professional students who are college graduates. Credits are based on contact minutes and content. They are roughly one-third of a regular three-credit graduate course.

3. PROPOSED COURSE TITLE:

Alternate Project Delivery Systems.

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

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.

COURSE FORMAT: (check all that apply)

- 1
- 2
- 3 X
- 4
- 5
- 6 weeks to full semester

OTHER FORMAT (specify)

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

Lectures

9. CONTACT HOURS PER WEEK:

<table>
<thead>
<tr>
<th>LECTURE</th>
<th>LAB</th>
<th>PRACTICUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5</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 F652B, Alternate Project Delivery Systems, 1 credit

Introduction to different construction project delivery systems and their associated contract methods...
types. Emphasis on contract related consequences to the delivery systems. Applicability of the systems in relation to Alaska procurement laws. Role playing and practice.

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.)

<table>
<thead>
<tr>
<th>H</th>
<th>S</th>
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</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>Social Sciences</td>
</tr>
</tbody>
</table>

- 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:**

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is this course repeatable for credit?</td>
<td>No</td>
</tr>
</tbody>
</table>

- 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.

<table>
<thead>
<tr>
<th>LETTER: X</th>
<th>PASS/FAIL:</th>
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</table>

14. **PREREQUISITES**

None

**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**

<table>
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</table>

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

17. **PREVIOUS HISTORY**

<table>
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<tr>
<th>Yes/No</th>
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</thead>
</table>

Has the course been offered as special topics or trial course previously? **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.

<table>
<thead>
<tr>
<th>No</th>
<th>Yes</th>
</tr>
</thead>
</table>

- 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:**

<table>
<thead>
<tr>
<th>Signature, Chair, Program/Department of:</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature, Chair, College/School Curriculum Council for:</td>
<td>Date</td>
</tr>
<tr>
<td>Signature, Dean, College/School of:</td>
<td>Date</td>
</tr>
<tr>
<td>Signature of Provost (if applicable)</td>
<td>Date</td>
</tr>
</tbody>
</table>

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>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature, Chair, Program/Department of:</td>
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<td>-----------------------------------------</td>
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<td>Date</td>
</tr>
<tr>
<td>Signature, Dean, College/School of:</td>
<td>Date</td>
</tr>
</tbody>
</table>
1. **Course Information**

Alternative Project Delivery Systems. CE 693. 1 credit. Prerequisites (recommended): BS in engineering, science, or any college degree with construction experience. Location: UAF Center for Distance Education. Meeting time: 3:00 to 5:15 (6 meetings @ 135 minutes)

2. **Instructor**

Dr. Robert A. Perkins, PE. Office: 253 Duckering Office hours: 2:00 to 3:00 PM Monday & Wednesday 907-474-7694 ffrap@uaf.edu

3. **Course readings/materials**

- Various Alaska DOT online documents as announced in class, http://www.dot.state.ak.us/stwddes/index.shtml
- Various Alaska Appellate Court Cases as provided.

4. **Course description**

Introduction to different construction project delivery systems and their associated contract types. Emphasis on contract related consequences to the delivery systems. Applicability of the systems in relation to Alaska procurement laws. Role playing and practice.

5. **Course Goals (General):**

Introduce construction managers to basic methods of construction project delivery systems. Recognize the benefits and consequences of each system and the applicability of each system within the legal framework of public procurement laws. Learn the contract options within each delivery and procurement system and their effects on the process of project management.
6. **Instructional Methods**

The course will utilize a combination of lecture, discussion, and student role playing exercises. Guest speakers will be invited to make presentations on topics within their areas of professional expertise and experience.

7. **Course Calendar - Tentative**

Class 1
Introduction.
History of Construction Delivery Systems
Public Policy behind Delivery Systems

Class 2
CSB or DBB overview. Benefits and Issues
Influences of Corruption on the Process
Alternative Options - Intro

Class 3
Alternative Options
Procurement of the Delivery Systems
Effects of State Involvement
Effects of Federal Involvement
Guest speaker, procurement specialist

Class 4
Quiz
Contract types
Guest Speaker, contracting officer
Project presentation

Class 5
Examples of the Good and the Bad
Selecting the Right Delivery System, Procurement and Contract
Who does it affect?
Team discussions

Class 6
Class presentations

8. **Course Policies**

Plagiarism will not be tolerated. Attendance is expected and will be considered in determining the final grade.
9. **Evaluation**

The final grade will be determined on the following basis:

- Final presentation (written: 30%; oral: 24%) 54%
- In Class Quiz 10%
- Class participation 18%
- Attendance (6 @3%) 18%

10. **Support Services**

No special support services will be required.

11. **Disability Services**

We will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities.