

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).  
See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

### TRIAL COURSE OR NEW COURSE PROPOSAL

**SUBMITTED BY:**

Department	Civil and Env. Engineering	College/School	CEM
Prepared by	Keith Whitaker	Phone	474-7497
Email Contact	kwhitaker@alaska.edu	Faculty Contact	Keith Whitaker

**1. ACTION DESIRED**

(CHECK ONE):

Trial Course ☐New Course ☒**2. COURSE IDENTIFICATION:**
 Dept  Course #  No. of Credits 

Justify upper/lower division status &amp; 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:**

Construction Project Management-Planning Phase

**4. To be CROSS LISTED?**  
YES/NO☐ NoIf yes, Dept: Course # 

NOTE: Cross-listing requires approval of both departments and deans involved. Add lines at end of form for additional required signatures.

**5. To be STACKED?**

YES/NO

☐ NoIf yes, Dept: Course # 

How will the two course levels differ from each other? How will each be taught at the appropriate level?:

Stacked course applications are reviewed by the (Undergraduate) Curricular Review Committee and by the Graduate Academic and Advising Committee. Creating two different syllabi—undergraduate and graduate versions—will help emphasize the different qualities of what are supposed to be two different courses. The committees will determine: 1) whether the two versions are sufficiently different (i.e. is there undergraduate and graduate level content being offered); 2) are undergraduates being overtaxed?; 3) are graduate students being undertaxed? In this context, the committees are looking out for the interests of the students taking the course. Typically, if either committee has qualms, they both do. More info online – see URL at top of this page.

**6. FREQUENCY OF OFFERING:**

As Demand Warrants

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or  
As Demand Warrants

**7. SEMESTER & YEAR OF FIRST OFFERING**  
(AY2013-14 if approved by 3/1/2013; otherwise AY2014-15)

AY2014-2015

**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 ☐ 4 ☒ 5 ☐ 6 weeks to full semester
**OTHER FORMAT (specify)**

One three hour lecture per week for five weeks delivered face-to-face or via video conferencing.

**Mode of delivery (specify**

lecture, field trips, labs, etc)

Lecture

**9. CONTACT HOURS PER WEEK:**☒ 3LECTURE  
hours/weeks☐LAB  
hours/week☐PRACTICUM  
hours/week

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-senate/curriculum/course-degree-procedures-guidelines-for-computing/> for more information on number of credits.

OTHER HOURS (specify type)

10. **COMPLETE CATALOG DESCRIPTION** including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

Example of a complete description:

FISH F487 W, O Fisheries Management

3 Credits Offered Spring

Theory and practice of fisheries management, with an emphasis on strategies utilized for the management of freshwater and marine fisheries. *Prerequisites:* COMM F131X or COMM F141X; ENGL F111X; ENGL F211X or ENGL F213X; ENGL F414; FISH F425; or permission of instructor. Cross-listed with NRM F487. (3+0)

CE F660B Construction Project Management-Planning Phase

1 credit Offered as Demand Warrants

This is a course in a 3 course series that will investigate management aspects of the three phases of a construction project. The needs of planning phase issues will be analyzed to establish project scope, schedule and planning estimates as well as prepare a comprehensive Project Management Plan. *Prerequisites:* ESM 450 or Permission of instructor. (1+0)

11. **COURSE CLASSIFICATIONS:** Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities

S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? If YES, attach form.

YES:

NO:

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, Format 6

W = Writing Intensive, Format 7

X = Baccalaureate Core

11.A **Is course content related to northern, arctic or circumpolar studies? If yes, a "snowflake" symbol will be added in the printed Catalog, and flagged in Banner.**

YES

NO No

12. **COURSE REPEATABILITY:**

Is this course repeatable for credit?

YES

NO 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 for credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

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. Note: Changing the grading system for a course later on constitutes a Major Course Change – Format 2 form.

LETTER: X

PASS/FAIL:

**RESTRICTIONS ON ENROLLMENT (if any)**

14. **PREREQUISITES**

ESM 450 or Permission of instructor

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

15. **SPECIAL RESTRICTIONS, CONDITIONS**

N/A

16. **PROPOSED COURSE FEES**

\$ N/A

Has a memo been submitted through your dean to the Provost for fee approval?

Yes/No

N/A

**17. PREVIOUS HISTORY**

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

Yes/No

Yes

If yes, give semester, year, course #, etc.: Spring 2014, CE 693

**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. There is expected to be no impact on facilities or faculty.

**19. LIBRARY COLLECTIONS**

Have you contacted the library collection development officer ([kjensen@alaska.edu](mailto:kjensen@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

☒

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)

N/A

**21. POSITIVE AND NEGATIVE IMPACTS**

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


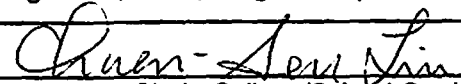
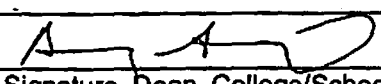
This course follows the New Degree Program Request which examined the growth in the CEE department. No additional positive or negative impacts from this course are likely.

**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: Add additional signature lines as needed.**

	Date	2/4/14
Signature, Chair, Program/Department of: CEE		
	Date	02/18/2014
Signature, Chair, College/School Curriculum Council for:		
	Date	2/27/14
Signature, Dean, College/School of: CEM		

**Offerings above the level of approved programs must be approved in advance by the Provost.**

	Date	
Signature of Provost (if above level of approved programs)		

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

	Date	
Signature, Chair		
Faculty Senate Review Committee: <input type="checkbox"/> Curriculum Review <input type="checkbox"/> GAAC		
<input type="checkbox"/> Core Review <input type="checkbox"/> SADAC		

**ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)**

	Date	
Signature, Chair, Program/Department of:		
	Date	
Signature, Chair, College/School Curriculum Council for:		
	Date	
Signature, Dean, College/School of:		

# **Construction Project Management**

## **1. Course information:**

Construction Project Management – Planning Phase, CE F660B, 1 credit

Prerequisites: ESM F450 or Permission of Instructor.

*Location: Fairbanks, Anchorage and Juneau*

*Meeting Time: Thursdays – 6:00pm-9:00pm.*

## **2. Instructor information:**

*Instructor: Keith Whitaker, JD, PE*

*Office Location: Duckering 257, Office Hours: by appointment*

*Telephone: 474-7497 Email: kwhitaker@alaska.edu.*

## **3. Course readings/materials:**

F. Lawrence Bennett, PE, PhD, *The Management of Construction, A Project Life Cycle Approach*, Butterworth-Heinemann, 2003

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

## **4. Course description:**

This is a course in a 3 course series that will investigate management aspects of the three phases of a construction project. The needs of planning phase issues will be analyzed to establish project scope, schedule and planning estimates as well as prepare a comprehensive Project Management Plan.

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

Improve the student's skills in managing construction projects.

## **6. Student Learning Outcomes (more specific)**

Understand the needs of planning phase issues to be able to establish scope and schedule and estimates.

Understand the different types of contracts available as well as procurement methods allowed.

Understand the appropriate elements and be able to prepare a construction Project Management Plan

## **7. Instructional methods:**

Face to face lecture and remote lectures via video conferencing, guest presentations. Students will use the Internet to download some instruction material.

## **8. Course calendar:**

Week 1 Introduction

Week 2 Project Identification / Scope

Week 3 Planning Schedules and Budgets

Week 4 Consultant Needs Identification, Communications Planning

Week 5 Delivery Method Selection

## **9. Course policies:**

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:

Homework	25%
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Final project	50%
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The final presentation will include a 6-12 page Project Management Plan demonstrating a knowledge and synthesis of topics covered. Grading will be based on format, and thoroughness of content as applied to the assigned construction project. Grading will be based on the ability to appropriately and thoroughly present the materials to the target audiences.

Class participation	15%
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Insightful interaction with the instructor and other students in one or more class on relevant subject matter, such as assigned reading material, demonstrating an understanding of subject material and a level of self-study initiative and competence.

Attendance (5 @2%)	10%
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90-100% – A

80-89% – B

70-79% – C

65-69% – D

< 65% - F

No +/- grades will be given

## **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.