

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



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.

Course Syllabus – Alternative Project Delivery Systems

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

- **Robert Perkins, *The Unnamed Book on Public Construction Project Management* (2010)**
- Carl A. Calvert, **Alternative Project Delivery Systems: A Recipe for Disaster for the Unsophisticated**. Published in connection with a presentation at the Construction Industry Superconference, San Francisco, California, December, 2000. www.hardhatlaw.net
- Vince Duobinis, The Art of Thinking Outside the Box, Job Order Contracting An Alternative Construction Delivery Method, <http://www.cce-inc.com/solutions.html>
- 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.