FORMAT 1

Sub

10. COMPLETE CATALOG DESCRIPTION including dept., number, title and credits (50 words or less, if possible):

CE F656G, Environmental Laws and Permitting**, 1 credit**
Develop a broad understanding of the environmental laws that affect engineering projects, and some specific knowledge of the permits and regulatory requirements specific to AKDOT projects. Understand the work effort required for permitting and the budgeting and scheduling of the permitting process. Understand our agency compliance and the contractual implications of third party (contractor) actions

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.)

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 20. IMPACTS ON

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

[redacted] Date

Overview of environmental laws, regulations and permits relating to construction

CE 656G 1 Credit

Prerequisites: None. Recommended: College degree in engineering or science or any college degree with construction experience

Class 2 Wednesday, 30 January 2008
Learning Goals:

2. Learn what other permits are often required in Alaska and what their main provisions are. RCRA, CERCLA, TSCA, SDW
3. Be able to explain the NEPA process.
4. Understand your agency's relation to NEPA
5. How does historic preservation
6. Understand how other environmental laws impact projects

7) Guest Speaker Stormwater
8) [Defer] QUIZ on Federal Law terms
9) More on NEPA
   a) EIS, EA, FONSI
   b) FHWA mandated process
   c) DOT procedures
   d) Other agency
10) Historic Preservation

HW 4

Draw an EPA Stormwater Permit. Take two cases, a construction project of 4 acres and a project of 6 acres. There may be ESA and TMDL issues, explain them. Fill out the permit paperwork (more after today's lecture). For the homework we will assume we don't need an Alaska or MoA permits. Probably easiest to download the website to your desktop using "save," then use Word to open the file. Then "save as" a word document, and work from that. You can make up the names of your company, project, etc., but be realistic about the facts. Be prepared in class 5 to discuss your organization for obtaining such permits. Who writes the permit, level of project development/design needed for the permit, time needed for permit, who in organization does the work, manhours/cost to support the permit, main compliance issues, what information don't we have.

Class 5, Monday, 11 February 2008

Learning Goals

1. Understand the relation of the permitting process to the project plan
2. Understand the risks of permitting to the project
3. Key liability matters
4. Develop an appreciation for the role of the public in the process

Guest Lecture, **Francis Isgrigg, Planning and Organizing for Permits**

Wetlands permits, Engineering Project Process

11) Permits
   a) Planning and Scheduling
   b) Negotiations of stipulations, cost and schedule
   c) Who handles within our organization
   d) Right of Way
   e) Preconstruction
12) Compliance
   a) Stipulations
   b) Penalties
13) Public involvement in permits
   a) Meetings
   b) Comments
   c) Risk communication
14) Class presentations

HW 5 From your permit project, take two permits (other than stormwater and wetlands) and examine who in my organization is responsible, does, estimate time, schedule,

Look at stipulations for a project. Who is responsible. What can happen, need for public meetings?

15) Guest Lecture, DEC stormwater
16) Contractor vs. Owner
    a) A little about contracts
    b) Permits and stipulations
        i) Contractor provisions
        ii) changes