Submit originals (including syllabus) and one copy and electronic copy to the Faculty Senate Office

**CHANGE COURSE (MAJOR) and DROP COURSE PROPOSAL**
Attach a syllabus, except if dropping a course.

**SUBMITTED BY:**
<table>
<thead>
<tr>
<th>Department</th>
<th>Civil and Envir. Engineering</th>
<th>College/School</th>
<th>CEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepared by</td>
<td>Robert A Perkins</td>
<td>Phone</td>
<td>7694</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 A Perkins</td>
</tr>
</tbody>
</table>

1. **COURSE IDENTIFICATION:** As the course now exists.
| Dept | ENVE | Course # | F648 | No. of Credits | 3 |

2. **ACTION DESIRED:** √ Check the changes to be made to the existing course.
- Change Course
- If Change, indicate below what is changing.
- Drop Course

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>TITLE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
</table>

**PREREQUISITES**

*Prerequisites will be required before a student is allowed to enroll in the course.

| CREDITS (including credit distribution) | COURSE CLASSIFICATION |

| ADD A STACKED LEVEL (400/600) |
| Include syllabi. |

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.

| ADD NEW CROSS-LISTING |
| Dept. & No. |

| STOP EXISTING CROSS-LISTING |
| Dept. & No. |

| OTHER (specify) |

3. **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 and the appropriate Faculty Senate curriculum committee. Furthermore, any core course compressed to less than six weeks must be approved by the Core Review Committee.

| COURSE FORMAT: |
| (check all that apply) |

| OTHER FORMAT (specify all that apply) |

Mode of delivery (specify lecture, field trips, labs, etc.)
4. COURSE CLASSIFICATIONS: (undergraduate courses only. Use approved criteria found in Chapter 12 of the curriculum manual. If justification is needed, attach 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:
0 = Oral Intensive, *Format 6 also submitted W = Writing Intensive, *Format 7 submitted X = Baccalaureate Core

4.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 ☐ X ☐

5. COURSE REPEATABILITY:

Is this course repeatable for credit? YES ☐ NO ☐ X ☐

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

6. COMPLETE CATALOG DESCRIPTION including dept., number, title, credits, credit distribution, cross-listings and/or stacking, clearly showing the changes you want made. (Underline new wording strike through old wording and use complete catalog format including dept., number, title, credits and cross-listed and stacked.)

Example of a complete description:

PS F450 Comparative Aboriginal Indigenous Rights and Policies (5)
3 Credits
Offered As Demand WARRANTS
Case study Comparative approach in assessing Aboriginal to analyzing Indigenous rights and policies in different nation-state systems. Seven Aboriginal situations and specific policy developments examined for factors promoting or limiting self-determination. Prerequisites: Upper division standing or permission of instructor. (Cross-listed with ANS F450.) (3-0)

ENVE F648 Solid Waste Management
3 Credits Offered Spring Even-numbered Years
Characterization, collection, disposal and treatment of municipal and industrial residuals. Emphases on regulations that control waste management, waste generation rates, waste characterization procedures, the flow of materials in society, recycle/reuse and landfill disposal. Recommended: Graduate standing or permission of instructor. (3+0)

7. COMPLETE CATALOG DESCRIPTION AS IT SHOULD APPEAR AFTER ALL CHANGES ARE MADE:

n/a

8. GRADING SYSTEM: Specify only one.

LETTER: ☐ PASS/FAIL: ☐

9. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

No net impact since one class is dropped and a more relevant one is introduced (see item 13 below)

10. 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 ☐ Yes ☐
11. 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)

CEE only. This has been fully discussed in faculty meetings and there was no objection. Course is not required for any program, sufficient other ENVE courses are available as environmental engineering electives.

12. POSITIVE AND NEGATIVE IMPACTS
Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

Slight positive impact on CEE, although course has not been offered recently. No impact on other programs or departments, course not required for other degrees.

13. 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. If you ask for a change in # of credits, explain why; are you increasing the amount of material covered in the class? If you drop a prerequisite, is it because the material is covered elsewhere? If course is changing to stacked (400/600), explain higher level of effort and performance required or part of students earning graduate credit. Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the course is not compromised as a result.

This course has not been offered in several years due to low student interest. While solid waste is a fundamental civil engineering function, the major municipal landfills in Alaska are established and there is little new work in that field. CEE plans to add some content to ENVE 649, Hazardous and Toxic Waste Management, that will present material on rural Alaska issues and solid waste from temporary facilities such as camps. The faculty resources formerly dedicated to ENVE 648 will be used to introduce a new class, CE 665, focusing on hydrology which is expected to encounter higher student demand.

APPROVALS: (Additional signature blocks may be added as necessary.)

Signature, Chair, Program/Department of: [Redacted]
Date 10/09/15

Signature, Chair, College/School Curriculum Council for: [Redacted]
Date 10-12-15

Signature, Dean, College/School of: [Redacted]
Date 10/14/15

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

Signature of Provost (if applicable)

Date

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

Signature, Chair
Faculty Senate Review Committee: __Curriculum Review __GAAC
__Core Review __SADAC