

Submit originals (including syllabus) and one copy and electronic copy to the **Faculty Senate Office**
 See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

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

SUBMITTED BY:

Department	Computer Science	College/School	CEM
Prepared by	Jon Genetti	Phone	474-5737
Email Contact	jdgenetti@alaska.edu	Faculty Contact	same

1. COURSE IDENTIFICATION: As the course now exists.

Dept	SWE	Course #	471	No. of Credits	3
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COURSE TITLE	Software Engineering
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2. ACTION DESIRED: Check the changes to be made to the existing course.

Change Course	<input type="checkbox"/>	If Change, indicate below what is changing.	Drop Course	<input checked="" type="checkbox"/>
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NUMBER	TITLE	DESCRIPTION	FREQUENCY OF OFFERING
PREREQUISITES*			

*Prerequisites will be *required* before a student is allowed to enroll in the course.
 Reference the registration implications below due to Banner coding of these terms:
Prerequisite: Course completed and grade of "C" (2.0) or higher prior to registering for the course that requires it.
Concurrent: Course may be taken simultaneously (and allows for a course to have been previously completed).
Co-requisite: Courses **MUST** be taken simultaneously and does **NOT** allow for fact that a course was previously completed!

CREDITS (including credit distribution)	COURSE CLASSIFICATION
ADD CROSS-LISTING See #8 if intent is to stop an existing cross-listing.	(Requires approval of both departments and deans involved. Add lines at end of form for additional signatures.)
STACKED (400/600) Include syllabi.	Course #

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.

OTHER (please 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 <u>all</u> that apply)	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6 weeks to full semester
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 on Page 10 & 17 of the manual. If justification is needed, attach on separate sheet.)

H = Humanities S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core?	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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IF YES*, check which core requirements it could be used to fulfill:

O = Oral Intensive, *Format 6 also submitted	<input type="checkbox"/>	W = Writing Intensive, *Format 7 submitted	<input type="checkbox"/>	Natural Science, *Format 8 submitted	<input type="checkbox"/>
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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

5. COURSE REPEATABILITY:

Is this course repeatable for credit? YES 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 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 (s)

3 Credits

Offered As Demand Warrants

Case study Comparative approach in ~~assessing Aboriginal~~ analyzing Indigenous rights and policies in different nation-state systems. ~~Seven Aboriginal situations~~ Multiple countries 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)

SWE F471 W Software Engineering (m)

3 Credits

Offered Fall

Introduction to basic software engineering principles, techniques, methods and standards as applied to the engineering of complex software systems. Topics from software system development process models, multiple view system modeling and specification using UML, classification of software systems, project management and legal issues. Prerequisites: Senior standing; CS F311; ENGL F111X; ENGL F211X or ENGL F213X; or permission of instructor. Cross-listed with CS F471. (3+0)

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

~~SWE F471 W~~ ~~Software Engineering (m)~~

~~3 Credits~~

~~Offered Fall~~

~~Introduction to basic software engineering principles, techniques, methods and standards as applied to the engineering of complex software systems. Topics from software system development process models, multiple view system modeling and specification using UML, classification of software systems, project management and legal issues. Prerequisites: Senior standing; CS F311; ENGL F111X; ENGL F211X or ENGL F213X; or permission of instructor. Cross-listed with CS F471. (3+0)~~

8. IS THIS COURSE CURRENTLY CROSS-LISTED?

YES/NO If Yes, DEPT NUMBER

DROPPING A CROSS-LISTING:

YES DEPT NUMBER

Changing or dropping requires written notification of each department and dean involved. Attach a copy of written notification.

9. GRADING SYSTEM: Specify only one.

LETTER: PASS/FAIL:

10. ESTIMATED IMPACT

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

None

11. 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 Deleting a course.

12. 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)

This course was only taken by MSE students or CS majors by "accident." (The Computer Science department houses both the computer science and software engineering programs)

13. POSITIVE AND NEGATIVE IMPACTS

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

Less paperwork as BS CS students won't take SWE 471 by accident and have to petition for CS 471 credit.


JUSTIFICATION FOR ACTION REQUESTED

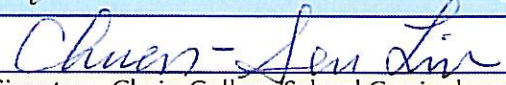
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. 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 on 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.

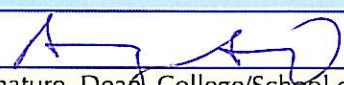
This course is cross-listed as CS/SWE 471; here we are dropping the SWE listing. The course will continue to be offered, but as CS 471.

This course was used to address deficiencies for students entering the MSE program. There are no current MSE students and the MSE degree is currently suspended. If a new MSE program is developed, this need will be addressed then.

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

 Date 11/1/12
Signature, Chair, Program/Department of: Computer Science

 Date 11/06/12
Signature, Chair, College/School Curriculum Council for: Engineering and Mines

 Date 11/2/12
Signature, Dean, College/School of: Engineering and Mines

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.

	Date	
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Signature, Chair

Faculty Senate Review Committee: ___Curriculum Review ___GAAC

___Core Review ___SADAC

ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking; add more blocks as necessary.)

	Date	
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Signature, Chair, Program/Department of:

	Date	
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Signature, Chair, College/School Curriculum Council for:

	Date	
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Signature, Dean, College/School of: