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	CS /SWE	Course #	673	No. of Credits	3

COURSE TITLE	Software Requirements Engineering

2. ACTION DESIRED: √ Check the changes to be made to the existing course.

Change Course		If Change, indicate below what is changing.	Drop Course	X

NUMBER		TITLE		DESCRIPTION	
PREREQUISITES*				FREQUENCY OF OFFERING	

*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.	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.

ADD NEW CROSS-LISTING		Dept. & No.		Requires approval of both departments and deans involved. Add lines at end of form for additional signatures.
STOP EXISTING CROSS-LISTING	X	Dept. & No.	SWE 673	Requires notification of other department(s) and mutual agreement. Attach copy of email or memo.
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)		1		2		3		4		5		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 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:

O = 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	

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. <u>*COMPLETE CATALOG DESCRIPTION*</u> *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 <u>complete</u> *description:*

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

CS F673 Software Requirements Engineering	Also delete SWE F673.

CS F673 Software Requirements Engineering
3 Credits
Offered As Demand Warrants

Focus on the requirements analysis phase of the software development life cycle. Study ways to obtain, analyze and specify complete and correct sets of requirements. Critique of selected requirements analysis models. Study of current large scale software developments that have failed or are failing. Development of software requirements specifications for large and real software systems via team efforts. Prerequisites: CS F671 or permission of instructor. Cross-listed with SWE F673. (3+0)

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

~~CS F673 Software Requirements Engineering~~
~~3 Credits~~
~~Offered As Demand Warrants~~

~~Focus on the requirements analysis phase of the software development life cycle. Study ways to obtain, analyze and specify complete and correct sets of requirements. Critique of selected requirements analysis models. Study of current large scale software developments that have failed or are failing. Development of software requirements specifications for large and real software systems via team efforts. Prerequisites: CS F671 or permission of instructor. Cross-listed with SWE F673. (3+0)~~

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.

> **None. CS 673 hasn't been offered in over 4 years.**

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)
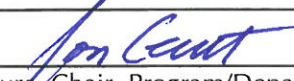
12. POSITIVE AND NEGATIVE IMPACTS
*Please specify **positive and negative** impacts on other courses, programs and departments resulting from the proposed action.*
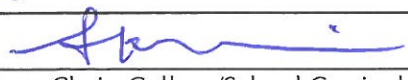
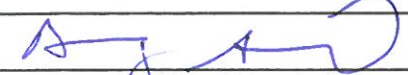## 13. JUSTIFICATION FOR ACTION REQUESTED
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. 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? <u>If course is changing to stacked (400/600), explain higher level of effort and performance required on part of students earning graduate credit</u>. 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.

> **SWE/CS 673 was a required course for the MSE (Master of Software Engineering) degree. The MSE program is being deleted due to the special academic review and lack of student enrollment.**

APPROVALS: *(Forms with missing signatures will be returned. Additional signature blocks may be added as necessary.)*

	Date
Signature, Chair, Program/Department of: *COMPUTER SCIENCE*	9/9/16
Signature, Chair, College/School Curriculum Council for: CEM	9-13-16
Signature, Dean, College/School of: CEM	9/22/16

Offerings <u>above the level</u> of approved programs must be approved in advance by the Provost (e.g., non-graduate level

program offering of a 600-level course):

	Date	

Signature of Provost (if applicable)

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

	Date	

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	

Signature, Chair, Program/Department of:

	Date	

Signature, Chair, College/School Curriculum Council for:

	Date	

Signature, Dean, College/School of: