

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	Course #	451	No. of Credits	3
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COURSE TITLE	Automata and Formal Languages
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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	
PREREQUISITES*				FREQUENCY OF OFFERING	

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

CREDITS (including credit distribution)		COURSE CLASSIFICATION	
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ADD A STACKED LEVEL (400/600) Include syllabi.	<input type="checkbox"/>	Dept.		Course #	
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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	<input type="checkbox"/>	Dept. & No.		Requires approval of both departments and deans involved. Add lines at end of form for additional signatures.
STOP EXISTING CROSS-LISTING	<input type="checkbox"/>	Dept. & No.		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)	<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
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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
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Will this course be used to fulfill a requirement for the baccalaureate core?	YES	NO
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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
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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
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5. **COURSE REPEATABILITY:**

Is this course repeatable for credit?	YES	NO
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Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).	
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How many times may the course be repeated for credit?	TIMES
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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
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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 to 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)

CS F451 Automata and Formal Languages (m)

3 Credits

Offered Spring Odd-numbered Years

Finite automata, regular languages, phrase structured grammars, context free language, push down automata, deterministic context free languages, recursive and recursively enumerable languages, Turing machines, decision problems, and undecidability. Prerequisites: MATH F307; CS F201. (3+0)

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

~~CS F451 Automata and Formal Languages~~ (m)

~~3 Credits~~

~~Offered Spring Odd-numbered Years~~

~~Finite automata, regular languages, phrase structured grammars, context free language, push down automata, deterministic context free languages, recursive and recursively enumerable languages, Turing machines, decision problems, and undecidability. Prerequisites: MATH F307; CS F201. (3+0)~~

8. **GRADING SYSTEM:** Specify only one.

LETTER:	<input type="checkbox"/>	PASS/FAIL:	<input type="checkbox"/>
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9. **ESTIMATED IMPACT**

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

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)

None. This is a CS elective course that hasn't been offered for 10 years.

12. POSITIVE AND NEGATIVE IMPACTS

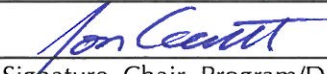
Please specify **positive and negative** impacts on other courses, programs and departments resulting from the proposed action.

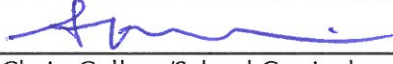
13. JUSTIFICATION FOR ACTION REQUESTED

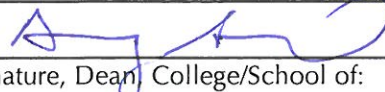
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory.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

The content of the course is no longer relevant and hasn't been offered in 10 years.

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

	Date	9/9/16
Signature, Chair, Program/Department of: COMPUTER SCIENCE		

	Date	9-13-16
Signature, Chair, College/School Curriculum Council for: CEM		

	Date	9/22/16
Signature, Dean, College/School of: CEM		

Offerings above the level of approved programs must be approved in advance by the Provost (e.g., non-graduate level program offering of a 600-level course):

<div style="border: 1px solid black; height: 20px;"></div>	Date	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Signature of Provost (if applicable)		

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:

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

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	Date	
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Signature, Dean, College/School of:

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