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.										
Si	UBMITTED BY:										
	Department	Construction Management & Drafting Technology			College/School	CRCD / Commu	CRCD / Community & Technical College				
	Prepared by	Galen Johnson			Phone	A STATE OF THE PARTY OF THE PAR					
	Email Contact	gjohns55@	alaska.edu		Faculty Contact	Galen Johnson					
1	1. COURSE IDENTIFICATION: As the course now exists.										
	Dept CN	1	Course #	F213	No. of Credits	4					
	COURSE TITLE	Civil	Гесhnology								
2	2. ACTION DESIRED: √ Check the changes to be made to the existing course. Change Course X If Change, indicate below Drop what is changing. Course										
	NUMBER		TITLE		DESCRIPTION	The second secon					
	*Prerequisi	7.51	required be	fore a st	FREQUENCY OF OFF	t to enroll in th	e course.				
	CREDITS (indistribution	cluding cre	the specific part of the second secon	X	COURSE						
	ADD A STACK (400/600) Include sylla		Dept.		Course #						
-	How will the	e two cours	e levels di								
			low will each copriate leve	100000000000000000000000000000000000000							
	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 CI		Dept. & No.	invo		oth departments and t end of form for					
	STOP EXIS		Dept. & No.			of other departme					
	OTHER (spec	ify)									
3.	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 a Mode of de (specify l trips, lab	livery ecture, fie	lecture								

(COURSE CLASSIFICATIONS: (under thapter 12 of the curriculum mathematic)										in
	H = Humanities		S	= So	cial Sci	ences					
	Will this course be used to fulfill a requirement for the baccalaureate core?								МО	x	
	IF YES*, check which core req O = Oral Intensive,	W = 1	Writing	Inte	ensive,	to f		ll: K = Bacca		430	
4 7	*Format 6 also submitted		Format			ımpo1	ar st	ndies?		re	
	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 fo credit?	r	YES		МО		х				
	Justification: Indicate why repeated (for example, the co different theme each time).			be							
	How many times may the course	be repea	ted fo	r cr	edit?					TIME	ES
	If the course can be repeated number of credit hours that m						the i	maximum		CR	EDITS
	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) CM F213 Civil Technology [4] 3 Credits Offered As Demand Warrants Outlines elements of civil design, including soils and soil mechanics, foundations, roads, and utilities using local, state and federal regulations. Students will also be introduced to elements of construction surveying. Special fees apply. Prerequisites: CM F102; DRT F170. (2+4) (3+0)										
7.	7. COMPLETE CATALOG DESCRIPTION AS IT SHOULD APPEAR AFTER ALL CHANGES ARE MADE: CM F213 Civil Technology 3 Credits Offered As Demand Warrants Outlines elements of civil design, including soils and soil mechanics, foundations, roads, and utilities using local, state and federal regulations. Students will also be introduced to elements of construction surveying. Special fees apply. Prerequisites: CM F102. (3+0)										
8. 9.	GRADING SYSTEM: Specify on LETTER: X PASS/FAIL ESTIMATED IMPACT										
WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.								c.			
	The proposed credit reduction and distribution change will match the efficiency of the presently implemented scheduling of 3 hour evening lecture class sessions which are utilized by many workforce development related degree programs and will reduce its cost.							e			

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 X Yes Library resource usage will be unchanged.						
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) The Drafting Technology (DRT) program favors this change as it simplifies CM and DRT student's						
	schedules and will continue to encourage CM students to take additional elective DRT courses.						
12.	Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.						
	CM and DRT programs and students will benefit from better coordination of evening class schedules and decreased costs.						
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 proposed credit hour reduction will allow students to complete the lecture-delivered portion of each CM class in a standard one-night-per-week schedule. The proposed credit distribution revision and removal of the DRT F170 prerequisite acknowledges the lecture (only) delivery mode presently utilized and the absence of computer aided drafting lab sessions. Course content, while somewhat compressed, will sufficiently introduce students to the basic concepts intended.							
APPROVALS:, (Additional signature blocks may be added as necessary.)							
	Called Date 1-29-16						
	rogram/pepaytment of: CM)						
	Mileston Date 1-29-16						
	ignature, Chair, College/School urriculum Council fore						
	///www.saa.v. Date 2/1/6						
0	f: Cignature, Dean, College/School f:						
	fferings above the level of approved programs must be approved in advance by the rovost:						

Signature of Provost (if applicable)

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMIS	SION TO THE GOVERNANCE OFFICE.
	Date
Signature, Chair Faculty Senate Review Committee:Curriculum	m ReviewGAAC
Core Revi	ewSADAC
ADDITIONAL SIGNATURES: (As needed for cross-lis	ting and/or stacking; add more
olocks as necessary.)	
	Date
Signature, Chair, Program/Department of:	
	Date
Signature, Chair, College/School Curriculum Council for:	
72	
	Date

Note: If removing a cross-listing, attach copy of email or memo to indicate mutual
agreement of this action by the affected department(s). If degree programs are
affected, a Format 5 program change form must also be submitted.

ATTACH COMPLETE SYLLABUS (as part of this application). This list is online at: http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/uaf-syllabus-requirements/ The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied. SYLLABUS CHECKLIST FOR ALL UAF COURSES During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline): 1. Course information: □Title, □ number, □credits, □prerequisites, □ location, □ meeting time (make sure that contact hours are in line with credits). 2. Instructor (and if applicable, Teaching Assistant) information: □ Name, □ office location, □ office hours, □ telephone, □ email address. 3. Course readings/materials: □ Course textbook title, □ author, □ edition/publisher. □ Supplementary readings (indicate whether □ required or □ recommended) and ☐ any supplies required. 4. Course description: ☐ Content of the course and how it fits into the broader curriculum; ☐ Expected proficiencies required to undertake the course, if applicable. ☐ Inclusion of catalog description is strongly recommended, and ☐ Description in syllabus must be consistent with catalog course description. 5. Course Goals (general), and (see #6) 6. ☐ Student Learning Outcomes (more specific) 7. Instructional methods: ☐ Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.). 8. Course calendar: ☐ A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester. 9. Course policies: ☐ Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity. 10. Evaluation: □ Specify how students will be evaluated, □ what factors will be included, □ their relative value, and \square how they will be tabulated into grades (on a curve, absolute scores, etc.) - Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but is a convenient way to publicize this.) Link to PDF summary of grading policy for "C": http://www.uaf.edu/files/uafgov/Info-to-Publicize-C Grading-Policy-UPDATED-May-2013.pdf 11. Support Services: ☐ Describe the student support services such as tutoring (local and/or regional) appropriate for the course. 12. Disabilities Services: Note that the phone# and location have been updated. http://www.uaf.cdu/disability/ The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials.

□ State that you will work with the Office of Disabilities Services (208

WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with

disabilities.

5/21/2013

Course Title:

Civil Technology

Course Number:

CM F213

Credits:

Prerequisites:

CM F102 Methods of Building Construction

Location:

CTC 604 Barnette Street, Room 322

Meeting Time:

Mondays (9/XX -12/XX/2016) 6:00 - 9:00 pm

Instructor:

Steven Geraghty P.E. Telephone: 590-7368

Email: sgeraghty@grtnw.com

Department Contact: Galen Johnson, Coordinator Construction Management

604 Barnette Street, Suite 320

Office hours 10:00am - 4:00pm (or other by appointment) Office 455-2846 Cell 590-8531 Email: gjohns55@alaska.edu

Martha Westphal, Administrative Assistant, Office: 455-2886. Email: mmwestphal@alaska.edu

Course Text: Construction Planning, Equipment and Methods, 8th Edition; Robert L. Peurifoy.

Clifford J. Schexnayder, Aviad Shapira, and Robert L. Schmitt;

McGraw-Hill

Course Description: CM F213 outlines elements of civil design, including soils and soil mechanics, foundations, roads, and utilities using local, state and federal regulations. Students will also be introduced to elements of construction surveying.

This class introduces both design and construction elements associated with management of civil construction projects, including soils and soil mechanics, foundations, roads, site drainage, soil stabilization and utilities. Students will also be introduced to elements of lifting and rigging principles, excavation dewatering and other activities associated with civil work.

CM F213 topics include:

- General Topic Safety procedures, University policies, course and lab procedures. emergency egress review
- Codes and Specifications Local codes, design criteria, standard specifications, state and federal regulations
- Soils Sampling, testing, properties and characteristics, compaction, stabilization
- Foundations Shallow foundations, pile foundations, caissons
- Road Construction Elements of road prisms, aggregate processing and pavements
- Utilities Design elements and construction of water and sewer utilities
- Earthwork Analysis Grading, cut & fill, cross-sections, sitework quantities and average haul analysis
- Construction Surveying Initial layout, dimension control, road staking, utility staking, and elevation control.

Course Objectives: This course will provide entry-level construction managers an understanding of the fundamental elements of civil design and construction, including soils and soil mechanics, foundations, roads, aggregates, payements, utilities and construction surveying in preparation for managing civil construction activities.

Student Learning Outcomes: Upon successful completion of the course, the student will be able to -

Describe the importance and purpose of soils testing for civil projects.

- Define the properties and characteristics of soil types and how they relate to the construction process.
- Explain the different foundation types and their application.
- Describe the fundamental components of roads and streets, including structural fill, processed aggregates and pavements.
- Analyze plan and profile drawings and analysis of excavation and fill quantities.
- Describe the essential design elements and construction practices for installing water and sewer utilities.
- Perform an overall sitework analysis of a simple civil construction project.
- Perform basic surveying measurements associated with control of civil construction projects.

Outcome will be assessed by:

- Class Discussion/Participation
- Written Exercises
- Written Exams

Instructional Methods:

Class sessions will consist of lecture/discussions. Emphasis will be on realistic assignments that will further the student's understanding of field and office procedures and terminology within the civil engineering and surveying fields.

Course Calendar: See Schedule of Topics attached.

Course Policies and Procedures:

University Policies - Please review all university policies as written in the current UAF catalog.

- Attendance Students are required to attend regularly and participate actively.
 Students are responsible for class work even if there is a legitimate excuse for their absence. Team Projects and Lab activities during class will not be repeated for the benefit of absentees.
- Cheating Any means by which a student uses unauthorized assistance to prepare materials submitted as their own. Cheating is grounds for dismissal from the university. This includes the unauthorized use or exchange of computer files.
- Smoking tobacco usage is not allowed on campus.
- ID Cards Students should carry their UAF Student ID cards with them whenever they
 are on campus.

Department Policies

- Emergency Exits In case of emergency, exit the room back into the main corridor.
 Exits may be reached by going either direction down the main corridor. Fire alarm pull stations and fire extinguishers are located at each end of the corridor.
- Food/Drink Covered drinks are allowed, food is not.
- Grades Final Grades will be posted to UAOnline.
- Name Put your name on all papers/projects or you may not receive credit for it.
- Deadlines Weekly assignments are due by the end of the following class day that they are assigned. Late work may be assessed 5 points per class period late.

Evaluation:

Quizzes - two quizzes at 100 points each. **NOTE**: Make-up quizzes may be taken upon request during designated sessions.

Exams - three exams at 150 points each. **NOTE**: Make-up exams may be taken upon request during designated sessions. If you miss the original exam you will only be eligible for the make-up exam.

Homework assignments – Text review questions and other relevant current industry topics will be assigned for submission and discussion at the following class meeting.

Classroom attendance and participation is worth ten points per class. Students are responsible for classwork even if there is a legitimate excuse for their absence. Unexcused absences may result in the student's being dropped from the class or receiving a failing grade.

Grading Policy: All grades are determined by competency-based criteria evaluation. Students are evaluated primarily on individual performances versus by comparison with other students or normal curve distribution. Letter grades for the course will reflect the *Grading System and Grade Point Average Computation* policy stated in the current UAF catalog. Faculty initiated withdrawals for non-attendance, plagiarism, and disruptive behavior is per current UAF Catalog guidelines.

Grade Tabula	ation:		
Assignments	200	Grading Scale	
Quiz #1	100	•	
Quiz #2	100	Α	90%
Exam #1	150	В	80%
Exam #2	150	C	70%
Exam #3	150	D	60%
Participation	<u>150</u>		
Total	1.000		

Support Services: The CTC Student Assistance Center provides services that contribute to a successful learning experience and transition to a career. Services are available by appointment and on a walk-in basis. Staff at the center recognizes the unique concerns of adult and returning students. Services include preadmission advising, academic assessment and placement advising, financial aid information and application, and assistance with choosing a major. Ongoing academic advising, degree planning and course selection are available. For more information, contact Student Assistance, UAF Community and Technical College Campus Center, 604 Barnette Street, Fairbanks, Alaska 99701, telephone (907) 455-2851, or visit online at http://www.ctc.uaf.edu/stuassist.html.

Disability Services: UAF has a Disability Services office that operates in conjunction with CTC. Disability Services, a part of UAF's Center for Health and Counseling, provides academic accommodations to enrolled students who are identified as being eligible for those services. If you believe you are eligible, please visit http://www.uaf.edu/chc/disability.html on the web or contact CTC's Student Assistance and Advising Center (455-2800). You can also contact Disability Services on the Fairbanks Campus at (907) 474-7043, fydso@uaf.edu.

Title IX: University of Alaska Board of Regents have clearly stated in BOR Policy that discrimination, harassment and violence will not be tolerated on any campus of the University of Alaska. If you believe you are experiencing discrimination or any form of harassment including sexual harassment, misconduct or assault, you are encouraged to report that behavior. If you disclose sexual harassment or sexual violence to a faculty member or any university employee, they must notify the UAF Title IX Coordinator about the basic facts of the incident. Your choices for disclosure include:

- 1) You may confidentially disclose and access confidential counseling by contacting the UAF Health & Counseling Center at 474-7043;
- 2) You may access support and file a Title IX report by contacting the UAF Title IX Coordinator at 474-6600;
- 3) You may file a criminal complaint by contacting the University Police Department at 474-7721.

SCHEDULE OF TOPICS

Monday Sep 12 - Dec 19, 2016 6:00pm - 9:00pm

CM F213 Civil Technology

Instructor: Steven Geraghty, P.E.

Class 01 Sept 12, 2016

Introduction: Class Schedule and Schedule

Intro to Reading Plans

Class 02 Sept 19

Surveying Fundamentals w/Hands-on Instrument Familiarization

Read: Chapter 4 & 5

Class 03 Sept 26

Intro to Soils

Quiz #1: Surveying, Soils

Review Quiz

Class 04 Oct 03

Site Drainage & Geosynthetics

Class 05 Oct 10

Water & Sewer Utilities

Class 06 Oct 17

Quiz #2 - Site Drainage, Geosynthetics, Water & Sewer Review Quiz Read: Chapter 14

Class 07 Oct 24

Aggregates and Agg. Processing Mid-term Exam Prep

Class 08 Oct 31

Mid-Term Exam Read: Chapter 15

Class 09 Nov 07

Review Exam, Intro to Roads & Streets, **Pavements**

Read: Chapter 18

Class 10 Nov 14

Pavements and Pile Foundations

Class 11 Nov 21

Quiz #3: Pavements, Roads & Streets, Pile

Foundations OSHA Trenching Read: Chapter 17

Class 12 Nov 28

Cranes, Rigging & Lift Planning

Read: Chapter 3

Class 13 Dec 05

Earthwork Analysis & Mass Diagrams

Class 14 Dec 12

Quiz#4: Cranes & Rigging, OSHA Trenching, Earthwork Analysis & Mass Diagrams Exam Prep

Class 15 Dec 19

Final Exam