FORMAT 2

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

[redacted]

F108 is current Catalog number.

See http://www.usf.edu/usfgov/faculty_senate/curriculum/course_degree_procedures.htm for a complete description of the rules

CHANGE COURSE NUMBER AND ADD "X" DESIGNATION.

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	X	NO	

[redacted]

(F108 is Current Catalog number.)

[redacted]

4.A *Is course content related to northern, arctic or circumpolar studies? If yes, a "snowflake" symbol will be added in*

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:			

Note: If removing a cross-listing, you may attach copy of email or memo to indicate mutual agreement of this action by

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/

TRIGONOMETRY
MATH F108-F02, SPRING 2015 - CRN: 35454, 3 CREDITS
DURATION: 1/15/2015-5/8/2015
MWF 2:15-3:15 PM, GRUE 409

Instructor information

Name:	Odile Bastille	**Phone:**	474-7273
Office:	Chapman 107	**e-mail:**	orbastille@alaska.edu
Office Hours:	MWF 3:30 pm - 4:30 pm or by appointment		

Course materials

- Open-source textbook: *Trigonometry* by Carl Stitz & Jeff Zeager; available on Blackboard in the Course Materials section;
- a scientific calculator: it needs to have keys for π, sin, cos, tan, and their inverses; the option to switch between degrees and radians.

Course Description

After a review of fundamentals in graphing and functions, the course will cover topics in the study of trigonometry based on a unit circle approach: angles and their measures, the six basic trigonometric functions and their graphs, inverse trigonometric functions, trigonometric identities and formulas, how to solve trigonometric equations and inequalities, and applications of trigonometry including right triangles, laws of sines and cosines, and polar coordinates. This course is designed to provide students with a good understanding of concepts that will be used in 200-level and above math, science, and engineering courses. In

- Students will learn to solve trigonometric equations and inequalities.
- Students will become familiar with the use of polar coordinates.

This course will be primarily lecture-based with some in-class group work.

Evaluation

Grading: Student grades will be dependent upon the following components

- Homework 15%
- Quizzes 15%
- Exams (3) 45%
- Final 25%

Students need to score at least 60% on the final exam in order to pass the

2. Homework should be turned in on 8.5" by 11" paper; please do trim fringes if you use spiral notebooks. For graphs, use graphing paper and clearly label axes. **Homework on several pages must be stapled in the top left corner.** In the top right corner you should write MATH108-F02-Bastille, your name and the due date of the homework.

3. Problems should be clearly labeled and numbered on the left side of the page. There should also be a visible separation between problems. Solutions should read as mathematical [illegible]

Table 1 – continued from previous page

	Monday	Wednesday	Friday
	16	18	20