

Electronic Course Authorization System (ECAS)

MATH 1013 - VIEW COURSE PROPOSAL

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Approvals Received: **Department**
on 09-12-08
by Carol Ford
(fordcj@umn.edu)

Approvals Pending: **Curriculum Committee** > Campus Assembly > Catalog

Effective Status: Active

Effective Term: 1099 - Fall 2009

Course: **MATH 1013**

Institution: UMNMO - Morris

Career: UGRD

College: MDSM - Division of Science and Mathematics

Department: 10565 - UMM-Sci & Math, Div of-Adm

General

Course Title Short: PreCalculus II: Trigonometry

Course Title Long: **PreCalculus II: Trigonometry**

Max-Min Credits for Course: 2.0 to 2.0 credit(s)

Catalog Description: Angles and their measures; trigonometric functions; the circular functions of trigonometry; graphs of sine, cosine, tangent, cosecant, secant, and cotangent functions; algebra of trigonometric functions; inverse trigonometric functions; solving problems with trigonometry; analytic trigonometry; fundamental trig identities; proving trigonometric identities; sum and difference identities; multiple-angle identities; the Law of Sines; the Law of Cosines.

Additional Course Information (for catalog production): <no text provided>

Grading Basis: Stdnt Opt

Honors Course: No

Delivery Mode(s): Classroom

Years most frequently offered: Every academic year

Term(s) most frequently offered: Fall, Spring

Component 1: LEC (with final exam)

Auto-Enroll Course: No

Graded Component: LEC

Academic Progress Units: Not allowed to bypass limits.
2.0 credit(s)

<u>Financial Aid Progress Units:</u>	Not allowed to bypass limits. 2.0 credit(s)
<u>Repetition of Course:</u>	Repetition not allowed.
<u>Course Prerequisites for Catalog:</u>	high school higher algebra, geometry
<u>Course Equivalency:</u>	No course equivalencies
<u>Consent Requirement:</u>	No required consent
<u>Enforced Prerequisites: (course-based or non-course-based)</u>	No prerequisites
<u>Editor Comments:</u>	09.09.08 - Edited for PSoft - jls.
<u>Proposal Changes:</u>	<no text provided>
<u>History Information:</u>	<no text provided>
<u>Assessment and Goals:</u>	<no text provided>
<u>Rationale for Changes or Exceptions:</u>	<ul style="list-style-type: none"> • PRECALCULUS COVERS TOO MUCH MATERIAL TOO QUICKLY FOR EVEN THE BETTER STUDENTS TO GET THE MOST OUT OF THE COURSE. • MANY STUDENTS WHO EARN A D IN PRECALCULUS COULD DO MUCH BETTER IF THEY HAD MORE TIME TO WORK ON THE MATERIAL. THESE STUDENTS WOULD ALSO BE BETTER SERVED BY TAKING SURVEY OF CALCULUS RATHER THAN CALCULUS I. • WE HAVE ROUGHLY 125 STUDENT IN CALCULUS I IN A YEAR, BUT ONLY 15 IN SURVEY OF CALCULUS. IT WOULD BE BENEFICIAL IF WE COULD BALANCE THAT BETTER. • STUDENTS WHO NEED A PRECALCULUS COURSE TO PREPARE FOR SURVEY OF CALCULUS DO NOT NEED TO STUDY TRIG SINCE SURVEY OF CALCULUS HAS NO TRIG. • SOME STUDENTS ONLY NEED A TRIGONOMETRY REFRESHER TO PREPARE FOR CALCULUS I. • THE NEW COURSES WILL INCLUDE MORE APPLICATIONS THAN THE PREVIOUS PRECALCULUS COURSE.

General Education

<u>Faculty Sponsor Name:</u>	Barry McQuarrie
<u>Requirement this course fulfills:</u>	M/SR - M/SR Mathematical/Symbolic Reasoning
<u>Provisional Approval:</u>	Not Requested
<u>Regular Approval:</u>	Requested on Sep 12, 2008

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