

Course Approval Form

For approval of new courses and deletions or modifications to an existing course.

registrar.gmu.edu/facultystaff/curriculum

Action Requested: Create new course Modify existing course (check a Title Credits		Course Level: x Undergradua Graduate Graduate	ite
	ule Type x Restrictions		
College/School: College of Sc Submitted by: David Singma		Department:MathematicsExt:31476Email:dsing	gman@gmu.edu
Subject Code: Math No. (Do not list multiple codes or numbers. Ea have a separate form.)		Fall Spring Summer	2015
Title: Current Geometry Banner (30 characters max in New	cluding spaces)		
Credits: Fixed oo Variable to		Not Repeatable (NR) Repeatable within degree (RD) Repeatable within term (RT) Aximum Repeatable within term (RT)	credits
Grade Mode: Regular (A, B, C Satisfactory/No Special (A, B C	Credit (check one)	Lab (LAB) Seminal	` '
Prerequisite(s): Grade of 'C' or better in MATH 116 MATH 116	Corequisite(s):	100% fa	nal Mode: ce-to-face 550% electronically delivered ectronically delivered
Restrictions Enforced by System Grade of 'C' or better in MATH 11		ogram, etc. Include Code. Are there expressions of the second of the se	equivalent course(s)?
Catalog Copy for NEW Cours Description (No more than 60 words			course)
Indicate number of contact hours: When Offered: (check all that apply)	Hours of Lecture or Sem	inar per week: Hours of Lab or Spring	Studio:
Approval Signatures			
Department Approval	Date	College/School Approval	Date
		her units, the originating department must circula lure to do so will delay action on this proposal.	te this proposal for review by
Unit Name	Unit Approval Name	Unit Approver's Signature	Date
For Graduate Courses O	nly		
Graduate Council Member	Provost Office	Graduate Co	uncil Approval Date
For Registrar Office's Use Only: Banner		talog	revised 11/8/11

Course Proposal Submitted to the Curriculum Committee of the College of Science

1. COURSE NUMBER	AND TITLE: MA	ATH 312 Geometry
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Course Prerequisites:

Grade of 'C' or better in MATH 114 or MATH 116

The additions are: MATH 116 and hard-coding prerequisites

Catalog Description:

Two and three dimensional analytic geometry, complex geometry, projective geometry, conics and quadric surfaces, spherical geometry, quaternions, Euclidean and non-Euclidean geometry. This course meets the requirement for secondary school teacher certification.

2. COURSE JUSTIFICATION:

Course Objectives:

Course Necessity:

Course Relationship to Existing Programs:

Course Relationship to Existing Courses:

- 3. <u>APPROVAL HISTORY</u>: Approved by department chair September 29, 2014
- 4. SCHEDULING AND PROPOSED INSTRUCTORS:

Semester of Initial Offering:

Proposed Instructors:

5. TENTATIVE SYLLABUS: