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

*registrar.gmu.edu/facultystaff/curriculum*

# GEORGE MASON UNIVERSITY

# Course Approval Form

**Action Requested:**
- [ ] Create new course
- [ ] Inactivate existing course
- [x] Modify existing course (check all that apply)
  - [ ] Title
  - [ ] Credits
  - [ ] Repeat Status
  - [ ] Grade Type
  - [x] Prereq/coreq
  - [ ] Schedule Type
  - [ ] Restrictions
  - [ ] Other: _____

**Course Level:**
- [x] Undergraduate
- [ ] Graduate

**College/School:** College of Science  **Department:** Mathematics
**Submitted by:** David Singman  **Ext:** 31476  **Email:** dsingman@gmu.edu

**Subject Code:** Math  **Number:** 215  **Effective Term:**
- [ ] Fall
- [x] Spring  *Year* 2015
- [ ] Summer

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

**Title:**
Current: Analytic Geometry and Calculus III (Honors)
Banner (30 characters max including spaces): 
New: 

**Credits:** (check one)
- [ ] Fixed ___ or
- [ ] Variable ___ to ___

**Repeat Status:** (check one)
- [ ] Not Repeatable (NR)
- [ ] Repeatable within degree (RD)
- [ ] Repeatable within term (RT)

Maximum credits allowed: ___

**Grade Mode:** (check one)
- [ ] Regular (A, B, C, etc.)
- [ ] Satisfactory/No Credit
- [ ] Special (A, B C, etc. +IP)

**Schedule Type:** (check one) LEC can include LAB or RCT
- [ ] Lecture (LEC)
- [ ] Lab (LAB)
- [ ] Recitation (RCT)
- [ ] Internship (INT)
- [ ] Independent Study (IND)
- [ ] Seminar (SEM)
- [ ] Studio (STU)

**Prerequisite(s):**
Grade of 'C' or better in MATH 114, or
Grade of 'C' or better in MATH 116

**Corequisite(s):**

**Instructional Mode:**
- [ ] 100% face-to-face
- [ ] Hybrid: ≤ 50% electronically delivered
- [ ] 100% electronically delivered

**Restrictions Enforced by System:** Major, College, Degree, Program, etc. Include Code.

**Are there equivalent course(s)?**
- [ ] Yes
- [ ] No
If yes, please list _____

## Catalog Copy for NEW Courses Only (Consult University Catalog for models)

| **Description** (No more than 60 words, use verb phrases and present tense) | **Notes** (List additional information for the course) |
|---|---|
|  |  |

**Indicate number of contact hours:** Hours of Lecture or Seminar per week: ___  Hours of Lab or Studio: ___
**When Offered:** (check all that apply)  [ ] Fall  [ ] Summer  [ ] Spring

## Approval Signatures

_____  _____  _____  _____
Department Approval  Date  College/School Approval  Date

**If this course includes subject matter currently dealt with by any other units**, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

| Unit Name | Unit Approval Name | Unit Approver's Signature | Date |
|---|---|---|---|
|  |  |  |  |
|  |  |  |  |

## For Graduate Courses Only

_____  _____  _____
Graduate Council Member  Provost Office  Graduate Council Approval Date

*For Registrar Office's Use Only:* Banner_____Catalog_____  *revised 11/8/11*

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

1. **COURSE NUMBER AND TITLE:** MATH 215 Analytic Geometry and Calculus III (Honors)

**Course Prerequisites:**

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

*We're eliminating courses that are actually just prerequisites for this course's prerequisites.*

**Catalog Description:**
Vectors and vectorvalued functions, partial differentiation, multiple integrals, line integrals, surface integrals, and transformation of coordinates.

2. **COURSE JUSTIFICATION:**

**Course Objectives:**

**Course Necessity:**

**Course Relationship to Existing Programs:**

**Course Relationship to Existing Courses:**

3. **APPROVAL HISTORY:** Approved by department chair September 29, 2014

4. **SCHEDULING AND PROPOSED INSTRUCTORS:**

**Semester of Initial Offering:**

Proposed Instructors:

5. **TENTATIVE SYLLABUS:**