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
- [ ] Delete existing course
- [X] Modify existing course (check all that apply)
  - [ ] Title
  - [ ] Credits
  - [ ] Repeat Status
  - [ ] Grade Type
  - [ ] Prereq/coreq
  - [ ] Schedule Type
  - [ ] Restrictions
  - [X] Other: Change the number on CHEM 617 to CHEM 817. Add a statement that a student cannot receive credit for both. Delete 3 words from the catalog description.

Course Level:
- [ ] Undergraduate
- [X] Graduate

College/School: College of Science **Department:** Chemistry and Biochemistry

Submitted by: Robert V Honeychuck **Ext:** 993-1076 **Email:** rhoneych@gmu.edu

Subject Code: CHEM **Number:** 817 **Effective Term:**
- [ ] Fall
- [X] Spring *Year* 2013
- [ ] Summer

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

Title:
Current _____
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 Code(s): (check all that apply)
- [ ] Lecture (LEC)
- [ ] Lab (LAB)
- [ ] Recitation (RCT)
- [ ] Internship (INT)
- [ ] Independent Study (IND)
- [ ] Seminar (SEM)
- [ ] Studio (STU)

Prerequisite(s):

Corequisite(s):

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

Special Instructions: (list restrictions for major, college, or degree; hard-coding; etc.)

Are there equivalent course(s)?
- [ ] Yes
- [X] 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 2/2/10*

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

1. <u>COURSE NUMBER AND TITLE:</u>

CHEM 817 Organic Structural Spectroscopy

<u>Course Prerequisites:</u>

CHEM 314 or equivalent. Credit is not given for both CHEM 617 and CHEM 817.

<u>Catalog Description:</u>

Spectroscopic determination of organic molecular structure using 1H, 13H, 19F, and 31P nuclear magnetic resonance spectroscopy and infrared, mass, ultraviolet and visible, and Raman spectroscopy.

2. <u>COURSE JUSTIFICATION:</u>

<u>Course Objectives:</u>

<u>Course Necessity:</u>

CHEM 817 is being instituted as a core course in the Ph.D. in Chemistry and Biochemistry. A 600 level number is inappropriate for this. CHEM 617 been taught 5 times since 2002, and is a popular basic course detailing spectroscopic analysis of organic compounds. It is being taught for the 6th time in Fall 2012 with 20 students. Dr. Robert V. Honeychuck has been the sole instructor for this course. No changes are requested except for the change of "617" to "817", addition of a statement that students cannot receive credit for both, and deletion of the words "Organic core course" from the catalog description. All other aspects of the course remain the same.

<u>Course Relationship to Existing Programs:</u>

<u>Course Relationship to Existing Courses:</u>

3. <u>APPROVAL HISTORY:</u>

4. <u>SCHEDULING AND PROPOSED INSTRUCTORS:</u>

<u>Semester of Initial Offering:</u>

<u>Proposed Instructors:</u>
Dr. Robert V. Honeychuck

5. <u>TENTATIVE SYLLABUS:</u>