Course Approval Form

For instructions see:
http://registrar.gmu.edu/facultystaff/catalog-revisions/course/

Action Requested:

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

Course Level:

- [x] Undergraduate
- [ ] Graduate

College/School: COS
Submitted by: S. W. Slayden
Department: Chemistry & Biochemistry
Ext: 3-1071
Email: sslayden@gmu.edu

Subject Code: CHEM
Number: 455
(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Effective Term:

- [x] Fall
- [ ] Spring
- [ ] Summer

Year 2015

Title:
Current: Honors Research in Chemistry I
Banner (30 characters max w/ spaces):
New:

Fulfills Mason Core Req? (undergrad only)

- [ ] Currently fulfills requirement
- [ ] Submission in progress

Credits: (check one)

- [x] Fixed — 3 or
- [ ] Variable — to

Repeat Status: (check one)

- [x] Not Repeatable (NR)
- [ ] Repeatable within degree (RD)
- [ ] Repeatable within term (RT)

Maximum credits allowed:

Grade Mode: (check one)

- [x] Regular (A, B, C, etc.)
- [ ] Satisfactory/No Credit
- [ ] Special (A, B C, etc. +IP)

Schedule Type: (check one) LEC can include LAB or RCT

- [1] Lecture (LEC)
- [6] Lab (LAB)
- [ ] Recitation (RCT)
- [ ] Internship (INT)
- [ ] Independent Study (IND)
- [ ] Seminar (SEM)
- [ ] Studio (STU)

Prerequisite(s):
Admission to the Department Honors Program; CHEM 313, CHEM 314, CHEM 315, CHEM 318, CHEM 331, CHEM 336, completion of Math and Physics degree requirements.

Corequisite(s):

Instructional Mode:

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

Restrictions Enforced by System: Major, College, Degree, Program, etc. Include Code.
CHEM 313, CHEM 314, CHEM 315, CHEM 318, CHEM 331, CHEM 336

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 10/16/14*

Course Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL COURSES (required)

Course Number and Title: CHEM 455 Honors Research in Chemistry

Date of Departmental Approval: December 8, 2014

FOR INACTIVATED/REINSTATED COURSES (required if inactivating/reinstating a course)

- Reason for Inactivating/Reinstating:

FOR MODIFIED COURSES (required if modifying a course)

- Summary of the Modification: Changing the pre-requisites.
- Text before Modification (title, repeat status, catalog description, etc.): CHEM 331, CHEM 332
- Text after Modification (title, repeat status, catalog description, etc.): Admission to the Department Honors Program; CHEM 313, CHEM 314, CHEM 315, CHEM 318, CHEM 331, CHEM 336, completion of Math and Physics degree requirements.
- Reason for the Modification: Biochemistry concentration students are not required to take CHEM 332 and so CHEM 336 is substituted. Admission to the Department Honors program requires a 3.0 GPA in all Math and Science courses and so there must be a sufficient number of these courses for a meaningful GPA. By completing the organic lecture and lab sequence (313-318) and the first half of the Physical chemistry course (lecture and lab 331, 336) and the prerequisites for these courses (211, 212, 321), students will have a solid experience in chemistry lab techniques and content knowledge to work at the Honors level.

FOR NEW COURSES (required if creating a new course)

- Reason for the New Course:
- Relationship to Existing Programs:
- Relationship to Existing Courses:
- Semester of Initial Offering:
- Proposed Instructors:
- Insert Tentative Syllabus Below