**Course Approval Form**

**Action Requested:**
- [ ] Create new course
- [ ] Inactivate existing course
- [X] Modify existing course
- [ ] Title
- [ ] Prereq/coreq
- [X] Repeat Status
- [ ] Grade Type

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

**College/School:**
- COS

**Department:**
- CHEMISTRY & BIOCHEMISTRY

**Submitted by:**
- S. W. Slayden

**Ext:**
- 3-1071

**Email:**
- sslayden@gmu.edu

**Subject Code:**
- CHEM

**Number:**
- 463

**Effective Term:**
- [X] Summer

**Title:**
- Current
  - GENERAL BIOCHEMISTRY I

**Credits:**
- [X] Fixed
- (check one)

**Repeat Status:**
- [ ] Not Repeatable (NR)
- (check one)

**Schedule Type:**
- [ ] Lecture (LEC)
- [ ] Lab (LAB)
- [ ] Recitation (RCT)
- [ ] Seminar (SEM)
- [ ] Studio (STU)

**Grade Mode:**
- [ ] Regular (A, B, C, etc.)
- (check one)

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

**Prerequisite(s):**
- CHEM L313

**Corequisite(s):**

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

**Are there equivalent course(s)?**
- [X] Yes
- [ ] No

If yes, please list:
- BIOL 483

**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:**

**When Offered:**
- (check all that apply)

**Approval Signatures**

**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*
1. **COURSE NUMBER AND TITLE:** CHEM 463 GENERAL BIOCHEMISTRY I

**Course Prerequisites:** Grade of ‘C’ or better in CHEM 313 and BIOL 213
Updates: Add “or CHEM L313” because many students transfer this course at the lower level from the community college system.

**Catalog Description:**
Brief introduction to biochemistry, followed by in-depth look at amino acids and proteins, 3-D structure, folding and dynamics, their specialized function, and primary metabolism. Emphasizes enzymes and their chemical mechanisms, and metabolism.

2. **COURSE JUSTIFICATION:**

**Course Objectives:**

**Course Necessity:**

**Course Relationship to Existing Programs:**

**Course Relationship to Existing Courses:**

3. **APPROVAL HISTORY:** Approved by the department chair Nov. 10, 2015

4. **SCHEDULING AND PROPOSED INSTRUCTORS:**

**Semester of Initial Offering:**

Proposed Instructors:

5. **TENTATIVE SYLLABUS:**