



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 Inactivate existing course

Modify existing course (check all that apply)

Title Credits Repeat Status Grade Type

Prereq/coreq Schedule Type Restrictions

Other: Course equivalency

Course Level:

Undergraduate

Graduate

College/School: COS Department: CHEMISTRY & BIOCHEMISTRY

Submitted by: G. L. R. WEATHERSPOON Ext: 3-1456 Email: grobert1@gmu.edu

Subject Code: CHEM Number: 463 Effective Term: Fall Spring Year 2015

Summer

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

Title: Current GENERAL BIOCHEMISTRY I

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) Lecture (LEC) Lab (LAB) Independent Study (IND) Seminar (SEM) Studio (STU)

Recitation (RCT) Internship (INT)

LEC can include LAB or RCT

Prerequisite(s): Grade of 'C' or better in CHEM 313 and BIOL 213 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.

"C" grade or better in CHEM 313 and BIOL 213

Are there equivalent course(s)? 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: _____ 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 9/18/2014 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 |
|-----------|--------------------|---------------------------|------|
| | | | |
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For Graduate Courses Only

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

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

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

Course Prerequisites: Grade of 'C' or better in CHEM 313 and BIOL 213

Updates: Removed CHEM 314, CHEM 318, MATH 114, PHYS 246/246, added CHEM 313, and specifying grade of 'C'.

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 September 18, 2014

4. **SCHEDULING AND PROPOSED INSTRUCTORS:**

Semester of Initial Offering:

Proposed Instructors:

5. **TENTATIVE SYLLABUS:**
