

## **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  X Modify existing course (check a Title Credits X Prereq/coreq Sched Other:	· · · · —	Course Level:  X Undergradu Graduate Grade Type		
College/School: COS Submitted by: G. L. R. WEA	THERSPOON	Department:CHEMISTRY & BIOCHEExt:3-1456Email:group	EMISTRY pert1@gmu.edu	
Subject Code: CHEM Number: 321 Effective Term: Fall  (Do not list multiple codes or numbers. Each course proposal must have a separate form.)  Effective Term: X Spring Year 2015  Summer				
Title: Current ELEMENTARY Banner (30 characters max in New	QUANTITATIVE ANALYSIS cluding spaces)			
Credits: Fixed on Variable to		Not Repeatable (NR) Repeatable within degree (RD) Repeatable within term (RT) allowed:	m credits	
Grade Mode: (check one)  Regular (A, B, C Satisfactory/No Special (A, B C	Credit (check one)	Lab (LAB) Semin	endent Study (IND) ar (SEM) (STU)	
Prerequisite(s): Grade of 'C' or better in CHEM 2' 212, and MATH 113	Corequisite(s): 11, CHEM MATH 114	100% f	onal Mode: ace-to-face ≤ 50% electronically delivered electronically delivered	
Restrictions Enforced by System: Major, College, Degree, Program, etc. Include Code.  Grade of 'C' or better in CHEM 211, CHEM 212, and MATH 113  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: When Offered: (check all that apply) Hours of Lecture or Seminar per week: Hours of Lab or Studio: Spring				
Approval Signatures				
Department Approval	9/18/2014 Date	College/School Approval	Date	
		her units, the originating department must circu ure to do so will delay action on this proposal.	late this proposal for review by	
Unit Name	Unit Approval Name	Unit Approver's Signature	Date	
For Graduate Courses Only				
Graduate Council Member	Provost Office	Graduate C	ouncil Approval Date	
For Registrar Office's Use Only: Banner_		alog	revised 11/8/11	

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

1. <u>COURSE NUMBER AND TITLE</u> : CHEM 321 Elementary Quantitative Analysis
<u>Course Prerequisites</u> : Grade of 'C' or better in CHEM 211, CHEM 212, and MATH 113 Updates: Added CHEM 211 and specifying grade of 'C'.
Catalog Description:
Principles of chemical analysis emphasizing ionic equilibria. Lab consists of gravimetric, volumetric, and instrumental methods illustrating principal types of quantitative determinations.
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: