

UNIVERSITY OF MARY WASHINGTON – EXPEDITED COURSE CHANGE PROPOSAL

Submit this form electronically, beginning with the first required level of review (department or college level). Each level of review passes the form and any attachments to the next level when the action is approved.

Submitted by: Randall Helmstutler	Date Prepared: 09/26/2017
Department/Discipline(s) and Course Number(s): MATH 412	
Course Title: Complex Variables	

Type of change (check all applicable):

Number* _____ Title _____ Description _____ Prerequisites Deletion _____ Cross list** _____

*This course number must be approved by the Office of the Registrar before the proposal is submitted.

**To cross list courses between departments/colleges, there should be two cover sheets submitted with the proposal – one by the chair of each department with signatures from the relevant College Curriculum Committee Chair.

Effective Date: FALL Semester, Year 2018

Current Catalog Entry	Proposed Catalog Entry (suggested length – less than 50 words)
<p>MATH 412 – Complex Variables (3)</p> <p>Corequisite: MATH 471.</p> <p>Analytic functions, Cauchy-Riemann conditions, integration, power series, calculus of residues, conformal mappings and applications.</p>	<p>MATH 412 – Complex Variables (3)</p> <p>Prerequisite: MATH 300.</p> <p>Analytic functions, Cauchy-Riemann conditions, integration, power series, calculus of residues, conformal mappings, and applications.</p>

JUSTIFICATION (including impact on majors, minors, concentrations, and general education courses within the University curriculum; attach additional pages if required). **Any change that impacts another Department must have a written statement (such as a copy of an email) from the Chair(s) agreeing to the change.**

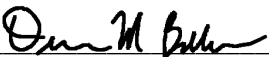
The way that we teach Complex Variables has changed over the years, so that the current co-requisite is considered too strong by those that routinely teach MATH 412. By requiring MATH 300 as the prerequisite, this will ensure that students entering MATH 412 have seen two courses in Calculus, discrete mathematics and arguments, and linear algebra, all sufficient preparation for the study of complex variables. This will also add some more flexibility to our major and minors, as this will allow students to take MATH 412 earlier in their academic career if they wish.

TRANSITION PLAN (describe how will students who are in Catalogs where the course is required for a major be accommodated; attach additional pages if required)

This course is applicable only to internal programs (math majors and two minors) and the prerequisite barrier is being lowered, so there are no transition issues to consider.

Approvals

Department Chair Randall Helmstutler **Date:** 09/26/2017

College Curriculum Chair  **Date:** 11/09/2017

Expedited course changes are posted for a 10-class day comment period. If no comments are raised during that time, the proposal becomes final. All expedited proposals approved in this way will be noted on the UCC web site. If comments are raised, the proposal may be reviewed by the UCC and then approved or it may be returned to the CCC for additional