

# UNIVERSITY OF MARY WASHINGTON -- NEW COURSE PROPOSAL

Electronically submit this completed form with attachments in one file to the Chair of the College Curriculum Committee.

<b>COLLEGE (check one):</b>	<b>Arts and Sciences</b>	<b>Business</b>	<b>Education</b>
Proposal Submitted By: Stephen Davies	Date Prepared: 27 November 2016		
Course Title:	Special Topics in Data Science		
Department/discipline and course number*:	DATA 370		
Prerequisites:	Specified by instructor		

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

Number of credits:	3	Will this course meet for at least 700 contact minutes for each credit hour proposed? <b>If no, provide a credit hour justification.</b>	<b>YES</b>	<b>X</b>	<b>NO</b>
Will this be a <b>new, repeatable</b> "special topics" course? (Do you want students to be able to take this new course more than once if the topic changes?)			<b>NO</b>		<b>YES</b> <b>X</b>

Date of first offering of this <b>new</b> course: <b>FALL SEMESTER, year</b>	SPRING SEMESTER, 2018				
Proposed frequency of offering of the course:	Once every 1 or 2 years				
List the faculty who will likely teach the course:	Stephen Davies, Jessica Zeitz, Ron Zacharski, adjuncts				
<b>Are ANY new resources</b> required?	<b>NO</b>	<b>X</b>	<b>YES</b>	Document in attached impact statement	

<b>This new course will be (check all that apply):</b>					
Required in the major		Required in the minor		General Elective	
Elective in the major		Elective in the minor	<b>X</b>	General Education**	

*\*\*AFTER the new course is approved, a separate proposal must be sent to the General Education Committee.*

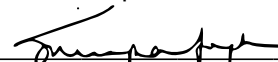
<b>Catalog Description</b> (suggested length – less than 50 words):				
Prerequisite: Specified by Instructor. Treatment of selected topics in Data Science. May be repeated for credit with a change in topic.				
<b>COURSE HISTORY:</b>	Was this course taught previously as a topics or experimental course?	<b>YES</b>	<b>NO</b>	<b>X</b>
<b>Course Number and Title of Previous Course</b>	<b>Semester Offered</b>	<b>Enrollment</b>		
<b>CHECK HERE</b> if the proposed course is to be <b>equated</b> with the earlier topics or experimental offerings. If equated, students who took the earlier "topics" course will only be able to take the new course as a repeat (C- grade or lower).				
<b>NOTE:</b> If the proposed course has not been previously offered as a topics or experimental course, <b>explain in the attached rationale statement</b> why the course should be adopted even though it has not been tried out.				

**REQUIRED ATTACHMENTS:**

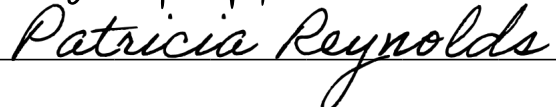
1. **Rationale Statement** – Why is this course needed? What purposes will it serve?
2. **Credit Hour Justification** (if required) – explain how this course will comply with the UMW Credit Hours Policy (D.5.3)
3. **Impact Statement** – Provide details about the Library, space, staffing, budget, and technology impacts created by adding this new course. Include supporting statements from the Library, IT Department, etc. **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.**
4. **Sample Syllabus**

Department Chair Approval: Stephen Davies

Date: 11/29/16

CCC Chair Approval: 

Date: 1/27/17

UCC Chair Approval: 

Date: 2/13/2017

### Rationale Statement

We would like to create a 300-level “special topics” course with a DATA prefix so that we can offer one-off courses that count for the Data Science minor. An example would be this semester's “Network-based Data Analysis” course, taught by Drs. Dave Marchette (Dahlgren NSWC) and Elizabeth Hohman (MITRE Corp.), which is really a Data Science course but which is being offered as CPSC 370AA since that number was available as a special topics course. We anticipate offering a number of special topics courses in the coming year, taught either by full-time faculty or by adjuncts from local industry and government.

### Impact Statement

There should be no impact by creating this “special topics” course number, other than course prefixes properly reflecting content.

