

**Curriculum Change Form
(Present only one proposed curriculum change per form)
(Complete only the section(s) applicable.)**

Part I

<input type="checkbox"/> (Check one) New Course (Parts II, IV)	Department Name	Mathematics and Statistics	
<input checked="" type="checkbox"/> Course Revision (Parts II, IV)	College	Arts and Sciences	
<input type="checkbox"/> Hybrid Course ("S," "W")	*Course Prefix & Number	MAT 540	
<input type="checkbox"/> New Minor (Part III)	*Course Title	Introductory Applied Mathematics	
<input type="checkbox"/> Program Suspension (Part III)	*Program Title		
<input type="checkbox"/> Program Revision (Part III)	*Provide only the information relevant to the proposal.	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	

Proposal Approved by:	<u>Date</u>		<u>Date</u>
Departmental Committee	2/9/2015	Council on Academic Affairs	9/17/15
College Curriculum Committee	2/23/2015	Faculty Senate**	NA
General Education Committee*	NA	Board of Regents**	NA
Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	FALL 2016
Graduate Council*	03/27/2015		

*If Applicable (Type NA if not applicable.)
 **Approval needed for program revisions or suspensions.
 ***To be added by the Registrar's Office after all approval is received.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: (Example: Increase the number of credit hours for ABC 100 from 1 to 2.)	Revise course title and course description to more accurately reflect course content.
A. 2. Proposed Effective Academic Term: (Example: Fall 2012)	Fall 2016
A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)	
B. The justification for this action:	
This course is being revised to meet current needs.	
C. The projected cost (or savings) of this proposal is as follows:	
Personnel Impact:	
None	
Operating Expenses Impact:	
None	
Equipment/Physical Facility Needs:	
No change	
Library Resources:	
No change	

Part II. Recording Data for New, Revised, or Dropped Course(For a **new required course**, complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strike through~~ for deletions and underlines for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text

(*Use ~~strike through~~ for deletions and underlines for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)

MAT 540 ~~Introductory Applied Mathematics~~ Applications of Partial Differential Equations. (3) A.
 Prerequisite: MAT 353 with a minimum grade of "C." ~~Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory~~ Wave, heat/diffusion and potential/Laplace equations, separation of variables, orthogonal sets of functions, Fourier series, boundary value problems, Fourier integrals, maximum principles, the Cauchy problem.

Part IV. Recording Data for New or Revised Course (Record only **new or changed** course information.)

Course prefix (3 letters)	Course Number (3 Digits)	Effective Academic Term (Example: Fall 2012)	College/Division:	Dept. (4 letters)*
MAT	540	Fall 2016	AS <input checked="" type="checkbox"/> HS _____ BT _____ JS _____ ED _____ UP _____	MTST
Credit Hrs.	Weekly Contact Hrs.		Repeatable Maximum No. of Hrs. _____	
	Lecture _____ Laboratory _____ Other _____		Cip Code (first two digits only)	
Schedule Type* (List all applicable)	Work Load (for each schedule type)	Grading Mode*	Class Restriction, if any: (undergraduate only)	
			FR _____ JR _____ SO _____ SR _____	
		Grading Information: Course is eligible for IP (in-progress grading) for: <u>Check all applicable</u>		
		Thesis _____		
		Internship _____		
		Independent Study _____		
		Practicum _____		

CoRequisites and Prerequisites ****See definitions on following page****

Co-Requisite(s): (List only co-requisites. See below for prerequisites and combinations.)

Course Prefix and No.	
Course Prefix and No.	

Prerequisite(s): (List prerequisites only. List combinations below. Use "and" and "or" literally.) (Specific minimum grade requirements should be placed in () following courses. Default grade is D-.)

Course Prefix and No.	
Course Prefix and No.	
Test Scores	
Minimum GPA (when a course grouping or student cumulative GPA is required)	

Co-requisite(s) and/or Prerequisite(s) Combination (Use "and" and "or" literally.) (Specific minimum grade requirements should be placed in () following courses. Default grade is D-.)

Course Prefix and No.	
Test Scores	
Minimum GPA (when a course grouping or student cumulative GPA is required)	

Equivalent Course(s): (credit will not be awarded for both...; or formerly...)

Course Prefix and No.	
Course Prefix and No.	
Course Prefix and No.	

Proposed General Education Element: Please mark (X) in the appropriate Element or Elements (e.g. – 4B(3) X).

Element 1 (9)	Element 2 (3)	Element 3 (6)	Element 4 (6)	Element 5 (6)	Element 6 (6)
1A (3)	2 (3)	3A (3)	4A (3)	5A (3)	6 (6)
1B (3)		3B (3)	4B (3)	5B (3)	
1C (3)		or 3A/B Integrated A&H(6)	or 4A/B Integrated Sciences(6)		

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<input type="checkbox"/> Hybrid Course ("S," "W")	*Course Prefix & Number	MAT 740	
<input type="checkbox"/> New Minor (Part III)	*Course Title	Introductory Applied Mathematics	
<input type="checkbox"/> Program Suspension (Part III)	*Program Title		
<input type="checkbox"/> Program Revision (Part III)	*Provide only the information relevant to the proposal.	If Certificate, indicate Long-Term (University) or Short-Term (Departmental)	

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Teacher Education Committee*	NA	EFFECTIVE ACADEMIC TERM***	FALL 2016
Graduate Council*	03/27/2015		

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A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

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Operating Expenses Impact:
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Library Resources:
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MAT 740 ~~Introductory Applied Mathematics~~ Applications of Partial Differential Equations. (3) A.
 Techniques and applications of: ~~vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory~~ Wave, heat/diffusion and potential/Laplace equations, separation of variables, orthogonal sets of functions, Fourier series, boundary value problems, Fourier integrals, maximum principles, the Cauchy problem. It is strongly recommended that students have completed a course in differential equations.

Part IV. Recording Data for New or Revised Course (Record only **new or changed** course information.)

Course prefix (3 letters)	Course Number (3 Digits)	Effective Academic Term (Example: Fall 2012)	College/Division:	Dept. (4 letters)*
MAT	740	Fall 2016	AS <input checked="" type="checkbox"/> HS _____ BT _____ JS _____ ED _____ UP _____	MTST
Credit Hrs.	Weekly Contact Hrs.		Repeatable Maximum No. of Hrs. _____	
	Lecture _____ Laboratory _____ Other _____		Cip Code (first two digits only)	
Schedule Type* (List all applicable)	Work Load (for each schedule type)	Grading Mode*	Class Restriction, if any: (undergraduate only)	
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Test Scores	
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Co-requisite(s) and/or Prerequisite(s) Combination (Use “and” and “or” literally.) (Specific minimum grade requirements should be placed in () following courses. Default grade is D-.)

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1A (3)	2 (3)	3A (3)	4A (3)	5A (3)	6 (6)
1B (3)		3B (3)	4B (3)	5B (3)	
1C (3)		or 3A/B Integrated A&H(6)	or 4A/B Integrated Sciences(6)		