

Approval Chart for Curriculum Changes

A = Approve I= Information Item¹ R= Advise & Respond²

Course Number PHYS 451 Simulations and Modeling or Degree Plan(s) _____

State the requested change and reason. A memo may be attached if more space is necessary.

Course number, title, and description change

New course number and title: PHYS 351- Applied Numerical Methods

New Description:

Practical techniques for solving numerical problems in physics and engineering. Topics include linear systems, root finding, interpolation, fitting, derivatives and integrals, ordinary and partial differential equations. Significant programming is required.

Prerequisites: MATH 186, and CS 120 or ENGR 117.

Reasoning:

We are adjusting the class to make it accessible for engineering majors. They are not required to take CS 120 (Programming I), so we are adding an option for the new ENGR 117 (Computational Tools for Engineering and Physics) which they will take. Adding the MATH 186 (Calculus II) prerequisite ensures sufficient math background. The class focuses on applied rather than theoretical problems to make it more practical for these students, which also prompted changing from a 400 to a 300-level course. Finally, we are changing the course name to be more specific and descriptive of the course content.

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

Change to a Course		COUNCIL ³								
		Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A		I			I	I
2.	Description (not affecting content)	A	A	A		I			I	I
3.	Course term(s)	A	I	A		I			I	I
4.	Content (substantive change)	A	A	A		I			A	I
5.	Number of hours (lecture, lab, contact)	A	A	A		A			A	I
6.	Course number within the hundred	A	A	I		I			I	I
7.	Course number beyond the hundred	A	A	A		A			A	I
8.	Prerequisites	A	A	A		I			I	I
9.	Course fee(s)	A	--	A		--			A	I
10.	From U to G <i>or</i> G to U	A	A	A		A			A	I
11.	Cross list with another department: U or G level	A	A	A		A			A	I
12.	Department of record	A	A	A		A			A	I
13.	Open or close a course	A	A	A		A			A	I
14.	New course — See website for application and process. This change includes combining or splitting a course(s).	A	A	A		A			A	I

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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		COUNCIL ³							President	Board of Trustees
		Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	Faculty
Change to a Degree Plan										
1.	University Requirements — Change in approved course content ⁶	A	A	A		A			A	--
2.	University Requirements — Add or drop a required course from the University Requirements chart ⁶	A	A	A		A			A	A
3.	University Requirements — Add or drop a course from a menu within the University Requirements ⁶	A	--	--		A			A	--
4.	University Requirements — Change hours within a menu on the University Requirements chart ⁶	A	A	A		A			A	A
5.	Major — Revision of major ^{4,5}	A	A	A		A			A	--
6.	Major — Adopt or change admission requirements	A	A	A		A			A	--
7.	Major — Add ^{4,5}	A	A	A		A			A	A
8.	Major — Discontinue (proposed by the department or college)	A	A	A		A			A	A
9.	Major — Discontinue (proposed by the Provost)				See below.					
10.	GPA — Revise major or cumulative requirement	A	A	A		A			A	A
11.	Minor — Revise course selection	A	A	A		I			I	--
12.	Minor — Add	A	A	A		A			A	--
13.	Minor — Discontinue (proposed by the department or college)	A	A	A		A			A	--
14.	Minor — Discontinue (proposed by the Provost)				See below.					
15.	Degree — Add	A	A	A		A			A	A
16.	Degree — Discontinue (proposed by the department or college)	A	A	A		A			A	A
17.	Degree — Discontinue (proposed by the Provost)				See below.					
18.	Any change to a graduate degree program	A	A	A		A			A	--

		COUNCIL ³							President	Board of Trustees
		Provost	Department	Dean	TEC	UUAC	Graduate	Faculty		
Provost-Proposed Change										
1.	Major/Graduate Program — Discontinue (proposed by the Provost)	A	R	R		A		A	A	I
2.	Minor — Discontinue (proposed by the Provost)	A	R	R		A		--	A	--
3.	Degree — Discontinue (proposed by the Provost)	A	R	R		A		A	A	I

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COUNCIL³

	Change to the Catalog Information	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President
1.	General requirements for graduation including course requirements that are common to all majors for all degrees ⁷	--	--	--		A		A	A	A
2.	Admission requirements	--	--	--		A		A	A	A
3.	Policies governing academic probation and suspension	--	--	--		A		A	A	A
4.	Requirements for graduating with honors	--	--	--		A		A	A	A

¹ Councils may request additional information about "Information" items. These items are approved as "Consent Agenda."

² The Dean and Department should respond to the Provost's recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

³ All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

⁴ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

⁵ Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

⁶ Courses that satisfy ACU's University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and "not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession" (SACS 2.7.3). Departments may request exceptions to the first three criteria.

⁷ The UUAC approved the clarification that "general requirements for graduation" means the enumerated items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 8-26-19

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	2/22/22 Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
Jonathan Camp Signature	Mar 10, 2022 Approval date
_____ Signature	_____ Approval date

Dean(s)	
 Signature	Mar 10, 2022 Approval date
_____ Signature	_____ Approval date

Teacher Education Council	
_____ Chair's signature	_____ Approval date

General Education Council	
_____ Chair's signature	_____ Approval date

Undergraduate Academic Council	
_____ Chair's signature	_____ Approval date

Graduate Council	
_____ Chair's signature	_____ Approval date

Provost	
_____ Signature	_____ Approval date

Faculty	
_____ Chair of faculty senate	_____ Approval date

President	
_____ Signature	_____ Approval date