GRADUATE COUNCIL: PROPOSAL FOR CHANGE IN EXISTING COURSE/PROGRAM

Originating Unit   Department of Physics & Astronomy

Type of action: [✔] change in course   [ ] change in program

Type of change requested:

[ ] Number	[ ] Course Title
[✔] Description	[✔] Prerequisite(s) Program
[ ] Drop Course	[ ] Requirements
[ ] Drop Program*	[ ] Other, please specify

A SACSCOC Drop Program Justification form will need to be completed

Semester and year course/program will take effect: Fall 2024

Course instructional methodology:

course component types: ugradcouncil.tcu.edu/forms/Course Component Types.pdf

Current name: PHYS 50733 - Computational Physics (3)

Proposed name:

Appropriate computer abbreviation (30 spaces or less):

 PHYS 50733 - Computational Physics (3)

Programs Only

Current program code:

(ex:EDCE-PHD)

Proposed code (list 2)   or

Current CIP code:

Does the change require a new or change in CIP code: [ ] Yes [ ] No

If yes, what is the proposed new CIP code:

*for reference please visit: nces.ed.gov/ipeds/cipcode/resources.aspx?y=56

Is the program already considered TCU STEM: [ ] Yes [ ] No

Does the change include a request to be a TCU STEM program: [ ] Yes [ ] No

Description of change (omit if dropping a course or program):

We request corrections to the catalog descriptions of the course because the Department performed a detailed overhaul of the undergraduate PHYS courses.

 Present Catalog Copy

Prerequisites: PHYS 20484 or 20485 and MATH 30524. Computational methods used in physics, systems of linear equations, eigenvalues problems, numerical solution of differential equations using Python..

Proposed Catalog Copy:

Prerequisites: PHYS 30313, PHYS 30493 and MATH 30524 all with a C- or better, or graduate standing and PHYS 60323, or permission of instructor. Computational methods used in physics, systems of linear equations, eigenvalues problems, numerical solution of differential equations using Python.

Supporting evidence or justification:

The Department performed a detailed overhaul of the undergraduate PHYS courses.

Explain how the change(s) will affect the current outcomes and assessment mechanisms?

The changes will not require additional faculty support and any other impact on other current departmental listings and assessment mechanisms.

Additional resources required

Faculty:

Space:

Equipment:

Library:

Financial Aid:

Other:

Change in teaching load:

Does this change affect any other units of the University?   Yes ☐ **No** ☑

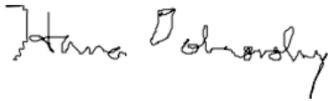If yes, submit supporting statement signed by chair of affected unit.

If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and the cross-listed units.

Chair of Originating Unit:

Name:

Unit:

Signature: *Hana Dobrovolny*