Course Change Request

Date Submitted: 10/23/22 9:33 am

Viewing: **PHYS 251 : Introduction to Computer Methods ~~Techniques~~ in Physics**

Last approved: 05/15/20 4:41 am

Last edit: 11/14/22 9:08 am

Changes proposed by: prubin

Catalog Pages referencing this course

[Astronomy (ASTR)](#)

[Department of Physics and Astronomy](#)

Select modification type:

In Workflow

1. **PHYS UG Committee**
2. **PHYS Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. Assoc Provost-Undergraduate
6. Registrar-Courses
7. Banner

Approval Path

1. 11/12/22 1:04 pm Philip Rubin (prubin): Approved for PHYS UG Committee
2. 11/12/22 1:46 pm Paul So (paso): Approved for PHYS Chair

History

1. Aug 25, 2017 by pchampan
2. Feb 22, 2019 by Gregory Craft (gcraft)
3. Dec 14, 2019 by Philip Rubin (prubin)
4. Feb 14, 2020 by Tory Sarro (vsarro)

5. May 15, 2020 by
Tory Sarro (vsarro)

Substantial

Are you completing this form on someone else's behalf?

No

Effective Term: Fall 2023

Subject Code: PHYS - Physics   **Course Number:**   251

Bundled Courses:

Is this course replacing another course?   No

Equivalent Courses:

Catalog Title: Introduction to Computer **Methods** ~~Techniques~~ in Physics

Banner Title: Intro Comp Tech in Phys

Will section titles vary by semester?   No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May be only taken once for credit, limited to 3 attempts (N3)   **Max Allowable Credits:** 9

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):
PHYS 160 or PHYS 170

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		PHYS 160	C	UG		
Or		PHYS 160	XS	UG		
Or		PHYS 170	C	UG		

**Registration
Restrictions
(Updates only):**

Registrar's Office Use Only - Registration Restrictions:

     Field(s) of Study:

     Class(es):

     Level(s):

     Degree(s):

     School(s):

**Catalog
Description:**
Introduction to using computers in physics based on examples from mechanics and astronomy.

Justification:
What: Slightly modify course name from Introduction to Computer Techniques in Physics to Introduction to Computer Methods in Physics.

Why: The slight modification will more closely associated this 200-level course in our Computational Physics concentration with the 300-level course whose name will also be slightly modified. This will aid students exploring our concentrations.

Does this course cover material which crosses into another department?   No

Learning Outcomes:

Attach Syllabus

**Additional
Attachments**

**Specialized Course
Categories:**

Mason Core

Select the Mason Core Requirement the course is proposing to fulfill:

**Foundation
Courses:**

Information Technology and Computing

**Exploration
Courses:**

**Integration
Courses:**

**Additional
Comments:**

**Reviewer
Comments**

Key: 12504