# Course Change Request

Date Submitted: 02/21/22 4:16 pm

## Viewing: PHYS 261 : University Physics II Laboratory

Last approved: 05/14/20 4:42 am

Last edit: 04/01/22 9:07 am

Changes proposed by: bvaughn4

**Catalog Pages referencing this course**

Department of Electrical and Computer Engineering

Department of Physics and Astronomy

**Select modification type:**

Substantial

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

No

### 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. 02/21/22 4:34 pm Paul So (paso): Approved for PHYS UG Committee
2. 02/21/22 4:35 pm Paul So (paso): Approved for PHYS Chair

### History

1. Aug 25, 2017 by pchampan
2. Oct 30, 2018 by Tory Sarro (vsarro)
3. May 14, 2020 by Tory Sarro (vsarro)

**Effective Term:** Fall 2022

**Subject Code:** PHYS - Physics **Course Number:** 261

**Bundled Courses:**

**Is this course replacing another course?** No

**Equivalent Courses:**

**Catalog Title:** University Physics II Laboratory

**Banner Title:** University Physics II Lab

**Will section titles vary by semester?** No

**Credits:** 1

**Schedule Type:** Laboratory

**Hours of Lab or Studio per week:** 1

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

**Max Allowable Credits:** 3

**Default Grade Mode:** Undergraduate Regular

**Recommended Prerequisite(s):**

**Recommended Corequisite(s):**

**Phys 270 as additional option to Phys 260 "OR"**

**Required Prerequisite(s) / Corequisite(s) (Updates only):**

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

| And/Or | ( | Course/Test Code | Min Grade/Score | Academic Level | ) | Concurrency? |
|---|---|---|---|---|---|---|
| | ( | PHYS 161 | C | UG | | |
| Or | | PHYS 161 | XS | UG | ) | |
| And | ( | PHYS 260 | C | UG | | Yes |
| Or | | PHYS 260 | XS | 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:**

Experiments in mechanics, electricity, and magnetism, including techniques for recording, graphically and statistically analyzing, and reporting data.

**Justification:**

What: Adding another "or" corequisite course.

Why: New course added to serve as a substitute to Phys 260.

**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:**

**Exploration Courses:**

Natural Sciences w/Lab

**Integration Courses:**

## Natural Sciences with Lab

**Course must meet the following learning outcomes:**

1.Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding: a) evolves based on new evidence, and b) differs from personal and cultural beliefs

2. Recognize the scope and limits of science.

3. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.).

4. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).

5. Participate in scientific inquiry and communicate the elements of the process, including: a) making careful and systematic observations, b) developing and testing a hypothesis, c) analyzing evidence, and d) Interpreting results.

**I affirm that I have attached the following using the syllabus and attachment buttons provided above: (see "?" for help with submission)**

**Additional Comments:**

**Reviewer Comments**

Key: 12506