Course Change Request

Date Submitted: 04/25/20 7:32 pm

Viewing: PHYS 331 : Physics ~~Fundamentals~~ of Renewable Energy

Last approved: 09/26/19 4:51 am

Last edit: 05/13/20 4:27 pm

Changes proposed by: prubin

~~Physics (PHYS)~~

Programs referencing this course

VS-BS-ME: Mechanical Engineering, BS

EENG: Environmental Engineering Minor

Select modification type:

In Workflow

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

Approval Path

1. 04/27/20 10:28 am Tory Sarro (vsarro): Approved for Registrar-Courses:Title Change
2. 05/13/20 9:34 am Philip Rubin (prubin): Approved for PHYS UG Committee
3. 05/13/20 11:04 am Paul So (paso): Approved for PHYS Chair

History

1. Aug 25, 2017 by pchampan

2. Mar 17, 2018 by Philip Rubin (prubin)
3. Feb 6, 2019 by Gregory Craft (gcraft)
4. Sep 26, 2019 by Philip Rubin (prubin)

Substantial

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

No

Effective Term: Spring 2021

Subject Code: PHYS - Physics

Course Number: 331

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: **Physics** ~~Fundamentals~~ of Renewable Energy

Banner Title: **Physics of** ~~Fundamentals~~
Renewable Energy

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 260 or PHYS 270

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		PHYS 260	C	UG		
Or		**PHYS 260**	**XS**	**UG**		
Or		PHYS 270	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:

Introduces the physical principles for a range of renewable energies, including solar, wind, hydropower and geothermal. Demonstrates how the application of methods and principles of physics allow us to understand the basic operation, advantages, limitations and relative merits of various renewable energy sources. Designed for students majoring in the sciences or engineering but useful for students interested in science policy, business, global change and sustainable development.

Justification:

The revised title better reflects the content of the course, which will be added to the elective list for the physics BS with no concentration and and the applied & engineering concentration.

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Green Leaf

Green Leaf Course Designation

The proposed course is requesting (choose one):

Sustainability-related designation

Below, include a brief statement regarding how this course meets either the "sustainability focused" or "sustainably related" criteria.

Sustainability-related courses help build knowledge about a component of sustainability or introduce students to sustainability concepts during part of the course. They may complement sustainability-focused courses by providing students with in-depth knowledge of a particular aspect or dimension of sustainability (such as the natural environment) or by providing a focus area (such as renewable energy) for a student's sustainability studies, or they may broaden students' understanding of sustainability from within different disciplines.

previously approved

Attach Syllabus

Additional Comments:

Reviewer Comments

Tory Sarro (vsarro) (05/13/20 4:27 pm): Adding the XS grade mode to accommodate the special grades used in spring 2020.

Key: 12528