

Course Change Request

Date Submitted: 03/08/22 2:10 pm

Viewing: **PHYS 581 : Topics in Renewable Energy**

Last approved: 05/21/21 5:04 am

Last edit: 03/08/22 2:10 pm

Changes proposed by: ebarreto

Catalog Pages
referencing this
course

[Department of Physics and Astronomy](#)
[Physics \(PHYS\)](#)

Select modification type:

Simple

Substantial

In Workflow

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

Approval Path

1. 03/09/22 12:39 pm
Ernest Barreto (ebarreto):
Approved for PHYS GR Committee
2. 03/09/22 12:42 pm
Paul So (paso):
Approved for PHYS Chair

History

1. May 12, 2020 by Johanna Riemen (jriemen)
2. Nov 12, 2020 by Johanna Riemen (jriemen)
3. May 21, 2021 by Tory Sarro (vsarro)

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

No

Effective Term: Fall 2022**Subject Code:** PHYS - Physics**Course Number:** 581**Bundled Courses:****Is this course replacing another course?** No**Equivalent Courses:****Catalog Title:** Topics in Renewable Energy**Banner Title:** Topics in Renewable Energy**Will section titles vary by semester?** Yes**Credits:** 3**Schedule Type:** Lecture**Hours of Lecture or Seminar per week:** 3**Repeatable:** May only be taken once for credit (NR)
*GRADUATE ONLY***Default Grade Mode:** Graduate Regular**Recommended Prerequisite(s):**
PHYS 262 and 266**Recommended Corequisite(s):****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 262	C	UG		

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
Or		PHYS 262	XS	UG)	
And	(	PHYS 266	C	UG		
Or		PHYS 266	XS	UG)	

**Registration
Restrictions
(Updates only):**

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Include

Limited to students with a class of Senior Plus (SCRRCLS_ONLY_SP)

Limited to students with a class of Non Degree (SCRRCLS_ONLY_ND)

Limited to students with a class of Advanced to Candidacy. (SCRRCLS_ONLY_DC)

Limited to students with a class of Graduate. (SCRRCLS_ONLY_GR)

Limited to students with a class of Junior Plus (SCRRCLS_ONLY_JP)

Level(s):

Include

Enrollment limited to students with a level of Non-Degree (SCRRVLV_ONLY_ND)

Limited to undergraduate level students. (SCRRVLV_ONLY_UG)

Limited to graduate level students only. (SCRRVLV_ONLY_GR)

Degree(s):

Exclude

Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG_NO_NDU)

School(s):

Catalog

Description:

The course covers the physical principles for a range of renewable energies, including solar, wind, **hydropower**, **hydropower** and geothermal using mathematical and other types of analysis. The course demonstrates how the application of methods and principles of physics allow us to understand the basic operation, advantages, **limitations**, **limitations** and relative merits of various renewable energy sources.

Justification:

What: Change the required prerequisites to recommended prerequisites.

Why: Graduate students who did not attend GMU have unnecessary trouble registering for this course. We wish to remove this impediment.

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 12587