



Course Change Request

Date Submitted: 10/23/17 5:41 pm

Viewing: **PHYS 465 : Planetary Atmospheres and Ionospheres**

Last edit: 11/06/17 1:06 pm

Changes proposed by: prubin

Catalog Pages referencing this course

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

Programs referencing this course

Select modification type:

Substantial

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

Yes

Requestor:

In Workflow

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

Approval Path

- 1. 11/06/17 11:51 am
Philip Rubin
(prubin): Approved for PHYS UG Committee
- 2. 11/08/17 3:32 pm
Paul So (paso): Approved for PHYS Chair

Name		Extension	Email
Erdal Yigit		32658	eyigit@gmu.edu

Effective Term:

Spring 2018

Subject Code:

PHYS - Physics

Course Number:

465

Bundled Courses:

Equivalent Courses:

Catalog Title:

Planetary Atmospheres and Ionospheres

Banner Title:

Planetary Atmos/Ionospheres

Will section titles vary by semester?

No

Credits:

3

Schedule Type:

Lecture

Hours of Lecture or Seminar per week:

3

Repeatable:

May only be taken once for credit (NR)

Default Grade Mode:

Undergraduate Regular

Recommended Prerequisite(s):

~~PHys 262 and PHYS 301 or MATH 314 or MATH 478 or permission of instructor.~~

Recommended Corequisite(s):

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

PHYS 260 and PHYS 301, or permission of instructor.

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

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?	

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:

An interdisciplinary introduction to the fundamental physics and chemistry of the atmosphere-ionosphere system. The focus is on the governing equations of atmospheric and ionospheric dynamics with a systems (science) approach to the atmosphere-ionosphere coupling processes. Topics include observational and modeling techniques in the Earth's upper atmosphere as well as recent progress in planetary atmosphere-ionospheres and planetary missions.

Justification:

Update and require requisites.

Does this course cover material which crosses into another department?

No

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments