

# Course Change Request

Date Submitted: 04/18/19 11:48 am

Viewing: **PHYS 475 : Atmospheric Physics**

Last approved: 02/22/19 4:30 am

Last edit: 04/18/19 11:48 am

Changes proposed by: prubin

<b>Catalog Pages referencing this course</b>	<a href="#">Department of Physics and Astronomy</a> <a href="#">Physics (PHYS)</a>
<b>Programs referencing this course</b>	<a href="#">ATMS: Atmospheric Science Minor</a> <a href="#">SC-BS-AOES: Atmospheric Sciences, BS</a>

### 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

Select modification type:

~~Simple~~  
**Substantial**

### Approval Path

1. 05/15/19 1:04 pm  
Philip Rubin (prubin): Approved for PHYS UG Committee
2. 05/15/19 4:41 pm  
Paul So (paso): Approved for PHYS Chair

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

No

Effective Term: Fall 2019

Subject Code: PHYS - Physics

Course Number: 475

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Atmospheric Physics

Banner Title: Atmospheric Physics

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): ~~PHYS 260 and 262.~~

Recommended Corequisite(s):

Required Prerequisite(s) / **PHYS 170 or PHYS 262 or PHYS 307**

### History

1. Feb 22, 2019 by Gregory Craft (gcraft)

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?

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 basic physical and chemical processes that operate in the Earth's atmosphere. Emphasis on those concepts that provide a global description of the current atmospheric state and those processes that relate to global change and atmospheric evolution. Topics include equilibrium structure, radiative transfer models, thermodynamics of various atmospheric layers, and the various processes defining these layers.

**Justification:** Some thermal physics background is expected. Sufficient material is presented in PHYS 170 and PHYS 262. PHYS 307 is a semester course in thermal physics. Physics major do not take PHYS 262 and may not take PHYS 170.

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: 12564