

Course Change Request

Date Submitted: 02/28/18 1:02 pm

Viewing: **ASTR 401 : Computer Simulation in Astronomy**

Last approved: 11/10/17 4:19 am

Last edit: 02/28/18 1:02 pm

Changes proposed by: prubin

Catalog Pages
referencing this
course

[Astronomy \(ASTR\)](#)

[Department of Physics and Astronomy](#)

Select modification type:

~~Substantial~~

Simple

In Workflow

1. **PHYS UG Committee**
2. **PHYS Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. Registrar-Courses
6. Banner

Approval Path

1. 03/12/18 10:43 am
Philip Rubin
(prubin): Approved
for PHYS UG
Committee
2. 03/12/18 12:12 pm
Paul So (paso):
Approved for PHYS
Chair

History

1. Nov 10, 2017 by
Philip Rubin
(prubin)

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

No

Effective Term: Fall 2018

Subject Code: ASTR - Astronomy

Course Number:

Bundled Courses:**Equivalent
Courses:****Catalog Title:** Computer Simulation in Astronomy**Banner Title:** Computer Simulation Astr**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):****Recommended
Corequisite(s):****Required
Prerequisite(s) /
Corequisite(s)
(Updates only):**

ASTR 210; and PHYS 251 or equivalent.

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

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
		ASTR 210	C	UG		
And		PHYS 251	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:

Techniques and methods to simulate astronomical phenomena using a computer. Examples taken from a wide variety of astronomical phenomena, including radiation transfer in astrophysical objects, self-gravitating systems, hydrodynamics, and stellar models. ~~No advanced background in mathematics or natural sciences required.~~ Notes: Emphasizes hands-on projects.

Justification:

~~The deleted sentence is wrong. Adjust and require requisites, so that students can do the work.~~

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

Learning Outcomes:

**Attach Syllabus
(PDFs only)**

**Additional
Attachments (PDFs
only)**

**Specialized Course
Categories:**

**Additional
Comments:**

**Reviewer
Comments**