

Course Change Request

Date Submitted: 10/29/19 10:11 pm

Viewing: **ASTR 111 : ~~Introductory~~**

Astronomy: The Solar System

Last approved: 10/31/18 5:20 am

Last edit: 10/31/19 3:31 pm

Changes proposed by: prubin

Catalog Pages
referencing this
course

[Astronomy \(ASTR\)](#)

[Department of Physics and Astronomy](#)

Select modification type:

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

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

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. 10/31/19 9:53 am
Tory Sarro (vsarro):
Approved for Registrar-Courses: Title Change
2. 11/04/19 12:14 pm
Philip Rubin (prubin): Approved for PHYS UG Committee
3. 11/04/19 12:35 pm
Paul So (paso): Approved for PHYS Chair

History

1. Aug 25, 2017 by pchampan

2. Oct 31, 2018 by
Pheng Xiong
(pxiong)

Simple

Substantial

No

Effective Term: Fall 2020

Subject Code: ASTR - Astronomy

Course Number:

111

Bundled Courses:

Is this course replacing another course? **No**

Equivalent Courses:

Catalog Title: ~~Introductory Astronomy~~:The Solar System

Banner Title: **The Solar** ~~Introductory Astr:~~Solar System

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):

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:

Topics include history of astronomy, evolution of the solar system, properties of planets, scientific method, critical thinking, nature of light, and principles of telescope design. Notes: ASTR 111 and 112 can be used to fulfill a 4-credit lab science requirement; not for physics majors.

Justification:

"Introductory Astronomy" is both unnecessary and misleading. The 100- course number suffices to indicate the level of the material, and the phrase in front of ASTR 111 - ASTR 114 implies a sequence, which it is not.

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

Learning Outcomes:

Attach Syllabus

**Additional
Attachments**

Specialized Course

Categories:

Mason Core

Select the Mason Core Requirement the course is proposing to fulfill:

Foundation

Courses:

Exploration

Courses:

Natural Sciences w/Lab

Integration**Courses:****Natural Sciences with Lab**

Course must meet the following learning outcomes:

1. Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding: a) evolves based on new evidence, and b) differs from personal and cultural beliefs
2. Recognize the scope and limits of science.
3. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.).
4. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).
5. Participate in scientific inquiry and communicate the elements of the process, including: a) making careful and systematic observations, b) developing and testing a hypothesis, c) analyzing evidence, and d) Interpreting results.

I affirm that I have attached the following using the syllabus and attachment buttons provided above: (see “?” for help with submission)

**Additional
Comments:****Reviewer
Comments**