

Course Bulletin Listing/Subject Area	Astronomy
Fiscal Unit/Academic Org	Astronomy - D0614
College/Academic Group	Mathematical And Physical Sci
Level/Career	Undergraduate
Course Number/Catalog	1142
Course Title	Black Holes
Transcript Abbreviation	Black Holes
Course Description	The nature, formation, and discovery of black holes in the universe.
Semester Credit Hours/Units	Fixed: 3

Offering Information

Length Of Course	14 Week
Flexibly Scheduled Course	Never
Does any section of this course have a distance education component?	No
Grading Basis	Letter Grade
Repeatable	No
Course Components	Lecture
Grade Roster Component	Lecture
Credit Available by Exam	Yes
Exam Type	Departmental Exams
Admission Condition Course	Yes
Admission Condition	Natural Science
Off Campus	Never
Campus of Offering	Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites	Math 075 or Math 1050
Exclusions	Not open to students with credit for Astron 142

Cross-Listings

Cross-Listings

Subject/CIP Code

Subject/CIP Code	40.0201
Subsidy Level	General Studies Course
Intended Rank	Freshman, Junior, Sophomore, Senior

Quarters to Semesters

Quarters to Semesters	Semester equivalent of a quarter course (e.g., a 5 credit hour course under quarters which becomes a 3 credit hour course under semesters)
List the number and title of current course being converted	Astron 142, Black Holes

Requirement/Elective Designation

General Education course

Course Details

Course goals or learning objectives/outcomes

Content Topic List

- Black holes in theory and reality
- Gravitation: Newton and Einstein.
- Black holes and time warps.
- Life cycle of stars and formation of black holes.
- Quasars and supermassive black holes.
- Black hole exotica.

Attachments

Comments

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Peterson, Bradley Michael	10/21/2010 01:37 PM	Submitted for Approval
Approved	Peterson, Bradley Michael	10/21/2010 02:38 PM	Unit Approval
Revision Requested	Andereck, Claude David	11/09/2010 04:39 PM	College Approval
Submitted	Peterson, Bradley Michael	11/09/2010 05:08 PM	Submitted for Approval
Approved	Peterson, Bradley Michael	11/10/2010 09:55 AM	Unit Approval
Approved	Andereck, Claude David	11/10/2010 01:25 PM	College Approval
Pending Approval	Hanlin, Deborah Kay Vankeerbergen, Bernadette Chantal Meyers, Catherine Anne Jenkins, Mary Ellen Bigler Nolen, Dawn	11/10/2010 01:25 PM	ASCCAO Approval