

ANNUAL PROGRAM REVIEW SUMMARY for Astronomy 06-07 Full Review Due: 12-13

MISSION: Does program meet the District's mission and established core competencies? Does program reflect the District's diversity?	Status					
	07-08	08-09	09-10	10-11	11-12	12-13
Current Recommendations						
a) Create a separate astronomy program to better reflect the fact that Astronomy and Earth Science operate independently in most matters and make clearer to students the content of the astronomy classes.		C				
b) Work with other Science faculty to prepare and begin offering the "Earth Sciences for Educators" course.		I				
c) Work with biology faculty to develop a "Life in the Universe" course.	C					
d) Develop an "Introduction to Cosmology" course for non-majors students.		P				
e) Faculty should investigate offering a "late start" version of the Planetary Astronomy online class to better serve the non-traditional student population.		C				
f) Faculty should develop closer ties with science teachers at area high schools.		I				
New Recommendations						
a) Faculty in the department should work with other science faculty to link Astronomy SLO's to Science GE SLO's.						
b) Faculty in the department will develop links between course and program level SLOs.						

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NEED: How is program addressing needs based on labor market data, enrollment, articulation, advisory committee, regional agreements, etc.?	Status					
	07-08	08-09	09-10	10-11	11-12	12-13
Current Recommendations						
a) Faculty need to coordinate with other science faculty and the articulation officer to ensure that courses continue to transfer even as UC reviews its transfer requirements.		I				
New Recommendations						
a) Consider scheduling additional sections of ASTR 116 to provide options for students interested in completing physical science laboratory based courses.						

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QUALITY: Are lec/lab unit values appropriate? Have the course outlines been reviewed/updated regularly? Are disciplines appropriate? Is faculty development adequate? Does program support State and District emphasis on critical thinking, problem solving and written expression? Does program meet stated objectives in the form of SLOs? Are course pre-requisites and co-requisites validated?	Status					
	07-08	08-09	09-10	10-11	11-12	12-13
Current Recommendations						
a) Faculty need to develop astronomy labs that take better advantage of the facilities available in the new Math building. These new labs should also put greater emphasis on inquiry-based learning and a prediction/observation/analysis approach to lab work rather than "cookbook" style lab procedure.		I				
b) Lab equipment updating needs to continue in conjunction with the development of new labs.		I				
c) Begin assessment of student learning outcomes.	C					
d) Build new solar telescopes and write new daytime labs to support the afternoon stellar astronomy lab sections.		I				
New Recommendations						
a) Remove hours arranged from all Astronomy courses.		C				
b) Improve faculty training in planetarium software with an eye towards developing new activities to address SLO's.						
c) Participating in workshops and conferences to promote locally developed teaching techniques and learn from others.						

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FEASIBILITY: Are facilities, equipment, and library resources adequate? Are evening programs and services adequate? Are course offerings frequent enough for students to make adequate progress in both day and evening programs? Does the program have adequate communication with & support from Counseling?	Status					
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Current Recommendations						
a) Astronomy faculty should continue investigating enhanced online materials (such as audio- and video- of lecture materials) that can be used to assist student understanding of astronomical concepts.		I				
New Recommendations						
a) Work with new STEM counselor to provide needed counseling services to astronomy students.						

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COMPLIANCE: Do course requisites meet Federal, State & District requirements? Do the course outlines meet state, district & federal regulations for content? Do vocational programs have regular advisory meetings?	Status					
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Current Recommendations						
a) Faculty should continue to work with the DSPPS office and the Distance Education Office to ensure that online content continues to comply with federal regulations.		C				
New Recommendations						

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jects and processes to their peers to help improve understanding of current astronomical research.

omical objects, and understand the meaning of these calculations in order to better understand the natural processes that produce these chara

between scientific and non-scientific questions and methods.

processes as well as processes from related sciences (e.g. physics, geology, chemistry) and apply these processes to predict the properties of ast

r appreciate the Earth's place within it.

volutionary processes lead to the astronomical objects around us to better appreciate the origins and evolution of the Earth.

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