

**MISSION:** How does the program meet the District’s mission and established core competencies? Does program reflect the District’s diversity?

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	<b>Impact</b>									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other

b) Work with other Science faculty to prepare and begin offering the “Earth Sciences for Educators” course	<b>Impact</b>									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Meet with interested colleagues in the department to discuss curriculum changes necessary to enable the offering of Earth Science 111.	Sp 09	Rabitoj	I		x	x	x		

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c) Work with biology faculty to develop a “Life in the Universe” course	Impact
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other

d) Develop an “Introduction to Cosmology” course for non-majors students	Impact
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Research and develop a course outline for a new Cosmology class.	Sp 10	Kary	P			X			

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**MISSION:** How does the program meet the District’s mission and established core competencies? Does program reflect the District’s diversity?

e) Faculty should investigate offering a “late start” version of the Planetary Astronomy online class to better serve the non-traditional student population	<b>Impact</b>									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other

f) Faculty should develop closer ties with science teachers at area high schools	<b>Impact</b>									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Faculty have made initial contact with science teachers at Monrovia High School and the Webb School in Claremont. Faculty will continue their outreach efforts with additional school districts.	Sp 09	Kary/Kaiser	I						


**NEED:** How is program addressing needs based on labor market data, enrollment, articulation, advisory committee, regional agreements, etc.?

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				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Astronomy faculty will work with the Citrus College Articulation Officer to ensure that our Astronomy courses articulate with local four-year institutions.	Fa 09	Kary	I						

**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? Where is the program in the SLOA cycle? Are course pre-requisites and co-requisites validated?

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	Impact									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Redraft labs on Photometry, Spectroscopy, Falling Bodies, and Hubble Law.	Sp 10	Kaisler	I			X	X		

b) Lab equipment updating needs to continue in conjunction with the development of new labs	Impact									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
As the labs in “a” are redrafted, the faculty will assess new equipment needs.	Sp 10	Kaisler	I			X	X		


**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? Where is the program in the SLOA cycle? Are course pre-requisites and co-requisites validated?

c) Begin assessment of student learning outcomes	Impact
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other

d) Build new solar telescopes and write new daytime labs to support the afternoon stellar astronomy lab sections	Impact
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
A new solar telescope has been purchased and is currently in use. Faculty will develop new labs designed to utilize this equipment to its fullest potential.	Sp 10	Kaisler	I			X	X		


**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?

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				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Develop web-based lecture materials (using both video and audio components) for DE classes.	Spr 11	Kary	I			X	X		
Investigate new video/animation/tutorial software for astronomy courses	Fall 09	Kaisler	I			X			

**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?

a) Faculty should continue to work with the DSPS office and the Distance Education Office to ensure that online content continues to comply with federal regulations				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Faculty DE sites are regularly reviewed by DE office personnel to ensure compliance.		Kary	C						