

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

a) Some elements of existing courses in the series should be evaluated for possible inclusion in the Study Abroad program or, possibly, some new courses could be developed.	Impact									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Natural History was incorporated with Study Abroad (Costa Rica) in Winter 2009. Three new Natural History series courses were developed (NAT 180, 181, and 182).			C						

b) This program incorporates a cross-discipline approach to learning using field- centered instruction, but could be enhanced by inclusion of course content from areas outside of the natural sciences, areas such as photography and fine arts.	Impact									
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Recent growth of the program inhibits the integration of new disciplines within the course parameters.			N/A						

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

a) The science faculty should be encouraged to link these courses to appropriate courses in biology, forestry, astronomy, GIS and geology in order to offer students an opportunity to participate in a discipline-specific field experience.				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Students from listed programs within this recommendation have participated in the Natural History Program.			C						
b) An advisory committee that reflects the breadth of occupational opportunities should be created to give input on the need for a Natural History certificate program.				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Continue to evaluate comparable Natural History certificate programs from the College of Marin and Santa Barbara City College in order to explore the feasibility of establishing a certificate for Citrus College.	Fa 2010	Goodman	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?

a) A survey of the surrounding school districts should be conducted to explore the idea of these courses being offered as continuing education courses. Recommendation in 1997-98 Program Review. In light of the changes in the statewide teacher credentialing procedures, this should remain a recommendation.	Impact
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Survey local school districts and inquire whether or not our Natural History courses are on their list of approved courses for teachers to collect continuing education units.	Sp 09	Rabito/Goodman	P		X				

b) Contact should be established with the Los Angeles County Office of Education to determine if the program might be an asset to train outdoor education specialists.	Impact
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Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
No longer applicable			N/A						

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) The science faculty should explore the feasibility of adding a basic field Natural History course that would serve as a techniques prerequisite to be taken before enrolling in specific Natural History courses.				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Curriculum for the program has been redesigned into three separate courses, all of which cover field techniques.			C						
b) The science faculty should explore the feasibility of adding a course designed for students that are seeking to fulfill teacher credentialing breadth prior to taking the new CSET credentialing exam.				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Biology 109 (Biology for Educators) was added to the department curriculum to help prepare students for the CSET exam.									

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?

c) The science faculty should explore the feasibility of offering a Natural History Certificate with completion of 18-20 units of both Life Science and Physical Science courses. A defined audience for the certificate must first be identified.				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Continue to explore the feasibility of creating a certificate of achievement in Natural History.	Sp 10	Goodman	I		x		x		
d) Faculty should consider creating a field techniques/principles course as a capstone for the program if a certificate is offered.				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
Field techniques have been incorporated into the three existing Natural History courses.			C						

e) Because the program is not a part of the core transfer curriculum in the sciences, courses have not been offered during the State budget crisis. When funding returns to normal levels, the courses should be reinstated				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other
One Natural History course is typically offered during the fall, winter, and spring.			C						

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) none				Impact					
Action/Activities	Target Date	Person Responsible	Status	FNIC	Facilities	Soft-ware	Equip-ment	Other Personnel	Other