California Sate University Channel Islands

NEW COURSE PROPOSAL

Courses must be submitted by November 9, 2007, to make the next catalog production

	DATE (Change if modified)	(OCTOBER 2, 2007 F	REV 12.5.07			
Prefix(es) (Add additional prefixes if cross-listed) BIOL Course No. 318 Title: MEDICAL MYCOLOGY Units: 4 Prerequisites BIOL 200 □ Consent of Instructor Required for Enrollment Description (Do not use any symbols): Surveys the structure, nutritional requirements, ecology, and economic importance of fungi. Topics will include the impact of fungi both on natural ecosystems and human civilization with emphasis on the biology of fungi causing major diseases in humans. Grading Scheme: Repeatability: Lab Fee Required: □ Lab Fee Required: □ Credit/No Credit □ Total Completions Allowed □ Optional (Student Choice) □ Multiple Enrollment in Same Semester Mode of Instruction/Components (Hours per Unit are defaulted). Hours Benchmark Graded CS & HEGIS # Per Enrollment Component (Filled in by the Dean) Units Unit Lecture 3 1 24 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	PROGRAM AREA(S)						
Title: MEDICAL MYCOLOGY Units: 4 Percequisities BIOL 200 Corequisites Consent of Instructor Required for Enrollment	1. Catalog Description	Catalog Description of the Course. [Follow accepted catalog format.]					
A-F Grades Repeatable for a maximum of units Credit/No Credit Total Completions Allowed Optional (Student Choice) Multiple Enrollment in Same Semester Mode of Instruction/Components (Hours per Unit are defaulted). Hours Benchmark Graded CS & HEGIS #	Title: MEDICAL MYC ☐ Prerequisites BIOL 20 ☐ Corequisites ☐ Consent of Instructor Description (Do not use ogy, and economic imp	COLOGY 00 Required f any symbo ortance of	Units: 4 For Enrollment ols): Surveys the fungi. Topics v	structure, nutrition	nal requirements, pact of fungi both	on natural ecosystems	
Credit/No Credit	Grading Scheme:		Repeatability:		Lab Fee	Required: 🛛	
Credit/No Credit	A-F Grades			for a maximum of			
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Lecture Seminar	Mode of Instruction/Co		Hours per	Benchmark			
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Laboratory 1 3 24					<u> </u>		
Activity Field Studies Indep Study Other Blank The following two lines will be filled out internally based on the Mode of Instruction data directly above. Three hours lecture per week (Use 2nd line only if necessary) Three hours laboratory per week Course Attributes: General Education Categories: All courses with GE categories notations (including deletions) must be processed at the GE website: http://summit.csuci.edu/geapproval. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing. A (English Language, Communication, Critical Thinking) A-1 Oral Communication A-2 English Writing A-3 Critical Thinking B (Mathematics, Sciences & Technology) B-1 Physical Sciences B-2 Life Sciences – Biology B-3 Mathematics – Mathematics and Applications B-4 Computers and Information Technology C (Fine Arts, Literature, Languages & Cultures) C-1 Art C-2 Literature Courses C-3a Language C-3b Multicultural		1	3	24	₩ -		
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	E (Human Psychological a	nd Physiological Perspectives)				
	UDIGE/INTD Interdiscipl Meets University Writing Meets University Langua	Requirement				
			US Constitution US History te.csuci.edu/comm/curriculum/resources.htm			
3.	4. Justification and Requirements for the Course. (Make a brief statement to justify the need for the course) A. Justification: This is a required course for Biology majors with an Emphasis in Clinical Lab Science and allied health students. It would be a valuable elective for Biology majors. Students need this course on their record to gain access to degree programs in Clinical Lab Science or Public Health Microbiology.					
	B. Degree Requirement:	Requirement for the Major/Minor Elective for the Major/Minor	Note: Submit Program Modification if this course changes your program.			
4.	 Upon completion of the Describe how and why f Determine how molds di Classify molds 	of the major fungal groups pathogenic species				

5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]

	Introduction to Mycology; Major Groups of FungiIntroduction to Higher (True) Fungi
	Deuteromycetes: Hyphomycetes
	. Deuteromycetes: Coelomycetes
	. Ascomycetes: Hemiascomycetes
	. Ascomycetes: Plectomycetes
	. Ascomycetes: Erysiphales, Meliolales, and Laboulbeniales
	. Ascomycetes: Pyrenomycetes
	. Ascomycetes: Loculoascomycetes
	. Ascomycetes: Discomycetes
	. Lichens
	. Basidiomycetes: Introduction to Hymenomycetes
	. Basidiomycetes: Mushrooms (Agaricales, Boletales)
	. Gasteromycetes
	. Mycorrhizal Relations
	. Basidiomycetes: Heterobasidiomycetes
XVII	
	. Basidiomycetes: Rusts
XIX	
XX	
XXI	
	. Hyphochytriomycota, Plasmodiophorids & Labyrinthulids
XIII	
	. Cellular Slime Molds
	. Plasmodial Slime Molds
	Fungal Immunology and Pathology
XVII	
XVIII	·
XIX	
XXX	
XXI	•
XXII	
XXIII	**
	. Histoplasmosis
XXV	
XVI	· · · · · · · · · · · · · · · · · · ·
XVII	
VIII	
AIA	. Mushroom Poisonings and Mycotoxins
	es this course overlap a course offered in your academic program? YES \(\subseteq \) NO \(\subseteq \) (ES, what course(s) and provide a justification of the overlap?
Doe	es this course overlap a course offered in another academic area? YES _ NO _
	(ES, what course(s) and provide a justification of the overlap?
Sign	nature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.
	oss-listed Courses (Please fill out separate description in item 1 above, for each PREFIX) List Cross-listed Courses (Signature of Academic Chair(s) of the other academic area(s) is required)
	Prefix for cross-listed discipline(s):
B.	Department responsible for staffing: Biology
Rof	erences. [Provide 3 - 5 references on which this course is based and/or support it.]

6.

7.

- Esser, K. and P. A. Lemke, eds. 1994-2002. The Mycota. A Comprehensive Treatise on Fungi as Experimental Systems for Basic and Applied Research. Springer-Verlag, New York. Volumes I-XI
- Mueller, G. M., G. F. Bills and M. S. Foster, eds. 2004. Biodiversity of Fungi. Inventory and Monitoring Methods. Elsevier Academic Press, New York.
- Medical Mycology The Pathogenic Fungi & The Pathogenic Actinomycetes
- Fungal Infection Diagnosis and Management
- Clinical Mycology The Human Opportunisitic Mycoses. David H. Ellis Pfizer Inc. New York
- Practical Laboratory Mycology. Elmer W. Koneman & Glenn D. Roberts Williams & Wilkins Baltimore

List Faculty Qualified to Teach This Course. Biology faculty **Effective Date** A. First semester offered: F09 10. New Resources Required. YES NO If YES, list the resources needed and obtain signatures from the appropriate programs/units on the sheet below. A. Computer (data processing), audio visual, broadcasting needs, other equipment) B. Library needs C. Facility/space needs 11. Will this new course alter any degree, credential, certificate, or minor in your program? YES NO If, YES attach a program modification form for all programs affected. Catalog deadline for New Minors and Programs (including modifications): October 15, 2007, preceding year. Catalog deadline for Course Proposals and Modifications: November 9, 2007, of preceding year. Last day to submit any work to be considered for the academic year: April 15th. Tom Schmidhauser, Ching-Hua Wang 10/2/2007 Proposer of Course Date

Approval Sheet Program/Course:

Program Chair(s)	Date	
Duo anom Chain(a)	Data	
Program Chair(s)	Date	
General Education Chair(s)	Date	
Curriculum Committee Chair(s)	Date	
Dean of Faculty	Date	