Course Approval Form

For approval of new courses and deletions or modifications to an existing course.

registrar.gmu.edu/facultystaff/curriculum

Action Requested:

[X] Create new course [ ] Delete existing course

[ ] Modify existing course (check all that apply)

[ ] Title [ ] Credits [ ] Repeat Status [ ] Grade Type

[ ] Prereq/coreq [ ] Schedule Type [ ] Restrictions

[ ] Other:

Course Level:

[X] Undergraduate

[ ] Graduate

College/School: College of Science **Department:** Environmental Science and Policy

Submitted by: Albert P. Torzilli **Ext:** 3-1043 **Email:** atorzill@gmu.edu

Subject Code: BIOL **Number:** 409

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Effective Term: [ ] Fall [ ] Spring [X] Summer *Year* 2013

Title:

Current

Banner (30 characters max including spaces)

New Medical Mycology

Credits: (check one) [x] **Fixed** 3 [ ] **Variable**

Repeat Status: (check one)

[ ] Not Repeatable (NR)

[x] Repeatable within degree (RD)

[ ] Repeatable within term (RT)

Maximum credits allowed: 3

Grade Mode: (check one)

[x] Regular (A, B, C, etc.)

[ ] Satisfactory/No Credit

[ ] Special (A, B C, etc. +IP)

Schedule Type Code(s): (check all that apply)

[x] Lecture (LEC) [ ] Lab (LAB) [ ] Recitation (RCT) [ ] Internship (INT)

[ ] Independent Study (IND) [ ] Seminar (SEM) [ ] Studio (STU)

Prerequisite(s):

BIOL 213 with a grade of C or better

Corequisite(s):

Instructional Mode:

[x] 100% face-to-face

[ ] Hybrid: ≤ 50% electronically delivered

[ ] 100% electronically delivered

Special Instructions: (list restrictions for major, college, or degree;hard-coding; etc.)

Are there equivalent course(s)?

[ ] Yes [x] No

If yes, please list

Catalog Copy for NEW Courses Only (Consult University Catalog for models)

Description (No more than 60 words, use verb phrases and present tense)	**Notes** (List additional information for the course)
Provides the student with current knowledge of both the medical and microbiological aspects of fungal diseases in humans, including the etiologic agents, geographic distribution, epidemiology, transmission, determinants of pathogenicity, laboratory detection, and therapy associated with the major human mycoses.	

Indicate number of contact hours: Hours of Lecture or Seminar per week: 9 Hours of Lab or Studio:

When Offered: (check all that apply) [ ] Fall [x] Summer [ ] Spring

Approval Signatures

Department Approval Date

College/School Approval Date

If this course includes subject matter currently dealt with by any other units, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

Course Proposal Submitted to the Curriculum Committee of the College of Science

1. COURSE NUMBER AND TITLE:
BIOL 409
Medical Mycology

Course Prerequisites:
BIOL 213 with a grade of C or better.

Catalog Description:
Provides the student with current knowledge of both the medical and microbiological aspects of fungal diseases in humans, including the etiologic agents, geographic distribution, epidemiology, transmission, determinants of pathogenicity, laboratory detection, and therapy associated with the major human mycoses.

2. COURSE JUSTIFICATION:

Course Objectives:
To provide the student with current knowledge of both the medical and microbiological aspects of fungal diseases in humans.

Course Necessity:
No medical mycology course at GMU.

Course Relationship to Existing Programs:

Of interest to biology majors, especially premedical students.

Course Relationship to Existing Courses:
Complements EVPP 551, Fungi and Ecosystems

3. APPROVAL HISTORY:

4. SCHEDULING AND PROPOSED INSTRUCTORS:

Semester of Initial Offering: Summer 2013 (taught as a special topics course in summer 2012)

Proposed Instructors: A. P. Torzilli

5. TENTATIVE SYLLABUS: See attached.

Medical Mycology
SYLLABUS
Instructor: Dr. Torzilli
Email: atorzill@gmu.edu Phone: 703-993-1043 Office 3043 DKH
Office Hours: by appointment

Date/Subject		Text Chapters
July2	Introduction to the Fungi	1.11, 1.12, Power Pts. #1
3	Introduction to the Fungi	1.11, 1.12, Power Pts. #1
5	Introduction to the Fungi	1.11, 1.12, Power Pts. #1
9	Laboratory Diagnosis	2, Power Pts. #2
10	Antifungal Agents	3A Power Pts. #3
11	Antifungal Agents	3A Power Pts. #3
12	Superficial & Cutaneous Mycoses	21, 22b, 22C2, Power Pts.#4
16	EXAM #1	
17	Systemic Mycoses by Dimorphic Molds	4, 5,6,7 Power Pts. #5
18	Systemic Mycoses by Dimorphic Molds	4, 5,6,7 Power Pts. #5
19	Systemic Mycoses by Dimorphic Molds	4, 5,6,7 Power Pts. #5
23	EXAM #2	
24	Systemic Mycoses by Opportunistic Molds	14, 15, 17A Power Pts. #6
25	Systemic Mycoses by Opportunistic Molds	14, 15,17A Power Pts. #6
26	Mycoses of Implantation	9, 18, 20 Power Pts. #7
30	Mycoses of Implantation	9, 18, 20 Power Pts. #7
31	Opportunistic Yeasts	11,12 Power Pts. #8
Aug. 2	FINAL EXAM	1:30-4:15 PM

Text: *Fundamental Medical Mycology* by Reiss, et al., 2012.
Grading: Lecture Exams 100 pts. x 2 = 200 pts.
Final Exam 100 pts.
Total 300 pts.
Course Goals: This course is intended to provide the student with current knowledge of both the medical and microbiological aspects of fungal diseases in humans.