# Course Approval Form

**Action Requested:**
- [ ] Create new course
- [ ] Inactivate existing course
- [X] Modify existing course (check all that apply)

**Course Level:**
- [X] Undergraduate
- [ ] Graduate

**College/School:**
- COS

**Department:**
- ESP

**Submitted by:**
- Esther Peters

**Ext:**
- 3-3462

**Email:**
- epeters2@gmu.edu

**Subject Code:**
- EVPP

**Number:**
- 306

**Effective Term:**
- [X] Fall
- [ ] Spring
- [ ] Summer

**Title:**
- [Current] Environmental Microbiology Essentials Laboratory
- [New]

**Fulfills Mason Core Req?** (undergrad only)
- [ ] Currently fulfills requirement
- [ ] Submission in progress

**Credits:**
- [ ] Fixed
- [ ] Variable

**Repeat Status:**
- [Not Repeatable (NR)]
- [Repeatable within degree (RD)]
- [Repeatable within term (RT)]

**Grade Mode:**
- [Regular (A, B, C, etc.)]
- [Satisfactory/No Credit]
- [Special (A, B, C, etc. +IP)]

**Schedule Type:**
- [Lecture (LEC)]
- [Lab (LAB)]
- [Recitation (RCT)]
- [Internship (INT)]
- [Lecture can include LAB or RCT]

**Prerequisite(s):**
- EVPP 210 and 30 credit hours, or permission of instructor

**Corequisite(s):**

**Restrictions Enforced by System:**
- Major, College, Degree, Program, etc. Include Code.

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

**Description** (No more than 60 words, use verb phrases and present tense)

Laboratory study of environmental microbiology. Course provides an introduction to the microbiological techniques for students studying environmental problems and their solution. Examples include microbiology of natural ecosystems (e.g., Potomac River), bacteria in fresh and estuarine waters and sediments, indicator organisms (e.g., coliform bacteria), molecular identification of unknown bacteria from nature, and visualization of bacteria in their natural habitat.

**Notes** (List additional information for the course)

**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.

**For Graduate Courses Only**

Graduate Council Member

Provost Office

Graduate Council Approval Date

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For Registrar Office’s Use Only: Banner ___________________ Catalog ___________________ revised 10/16/14
FOR ALL COURSES (required)
Course Number and Title: EVPP 306 Environmental Microbiology Essentials Laboratory

Date of Departmental Approval:

FOR INACTIVATED/REINSTATED COURSES (required if inactivating/reinstating a course)
- Reason for Inactivating/Reinstating:

FOR MODIFIED COURSES (required if modifying a course)
- Summary of the Modification: Update the prerequisite and description.
- Text before Modification (title, repeat status, catalog description, etc.):

  Prerequisite: EVPP 210 or both EVPP 110 and 111; 30 credit hours, or permission of instructor.

  Description: Laboratory study of environmental microbiology. Course provides an introduction to the microbiological techniques for students studying environmental problems and their solution. Examples include wastewater treatment - a microbial reactor metabolizing organic matter, drinking water quality - is based on detection and quantification of coliform bacteria, visualization of bacteria in their natural habitat.

- Text after Modification (title, repeat status, catalog description, etc.):

  Prerequisite: EVPP 210 and 30 credit hours, or permission of instructor.

  Description: Laboratory study of environmental microbiology. Course provides an introduction to the microbiological techniques for students studying environmental problems and their solution. Examples include microbiology of natural ecosystems (e.g., Potomac River), bacteria in fresh and estuarine waters and sediments, indicator organisms (e.g., coliform bacteria), molecular identification of unknown bacteria from nature, and visualization of bacteria in their natural habitat.

- Reason for the Modification:

  Prerequisite: EVPP 210 is the introductory course for our majors; EVPP 110 and 111 are for non-majors.

  Description: Different laboratory exercises have been developed.