

**Course:**

**Name:** BioMI 1100: The Microbiology of College Life

**Instructor:**

**Name:** Kathleen Hefferon

**Email:** klh22@cornell.edu

**Office:** Wing Hall 106

**Office hours:****Instructor:**

**Day:** Mondays

**Time:** 4-5pm

**Location:** Rm 106 Wing Hall or on Zoom

**TAs:**

**Name:** Ana Maria Fernandez Galliano

**Email:** amf289@cornell.edu

**Office hours:** Mondays 2-3pm Rm 267 Weill Hall

**Name:** Kevin Andrew England

**Email:** kae83@cornell.edu

**Office hours:** Thursdays 2-3pm Rm 401 Wing Hall

**Name:** Upasana Basu

**Email:** ub39@cornell.edu

**Office hours:** Wednesdays 2-3pm Rm 267 Weill Hall

**Lectures:****Days:**

Monday

Wednesday

Friday

**Time:** 12:20 - 1:10pm

**Location:** Uris Hall G01

**Textbook:** Stearns et al. 'Microbiology for Dummies'

**Course description:** Microbial habitats are literally everywhere on a college campus. This class explores microbiology and microbial ecology as it relates to the college campus environment.

**Learning objectives:**

Demonstrate understanding of core microbiology concepts.

Recognize differences between pathogens, opportunists, and non-pathogenic microorganisms.

Describe how microorganisms facilitate major biogeochemical cycles.

Apply the scientific method and use objective observation.

Explain fundamental concepts of microbiology in written and oral formats.

**Grading:**

**Midterm 1:** 10%

**Midterm 2:** 10%

**Final exam:** 25%

**Attendance participation:** 25%

**Homework assignments:** 20% on Canvas

**Wikipedia assignment:** 10%

**Modules:**

**Title:** Introduction

**Lectures:**

**Date:** Mon Jan 22

**Title:** Welcome and Overview

**Date:** Wed Jan 24

**Title:** Zits and Dandruff

**Date:** Fri Jan 26

**Title:** Critical Thinking online minicourse

**Title:** The Microbiology of Growing Up

**Lectures:**

**Date:** Mon Jan 29

**Title:** Head lice

**Date:** Wed Jan 31

**Title:** Dental plaque and bad breath!

**Date:** Fri Feb 2

**Title:** How to read a science paper, bacterial diversity

**Exams:**

**Midterm 1:**

**Date:** Wed Feb 21

**Activity:** No Activity!

**Midterm 2:**

**Date:** Wed Mar 27

**Activity:** No Activity!

**Final exam:**

**Date:** TBA

**Assignments:**

**Homework:** Each week during lecture, the instructor will assign multiple choice/short answer questions on Canvas.

**Wikipedia:** There will be one short written assignment (Wikipedia), which can be performed as a group or individually.

**Late work policy:** Students are strongly encouraged to ensure on-time submission of assignments. Late submissions are penalized.

**Attendance policy:** Attendance is highly recommended. You may miss a total of 2 discussion periods without penalty.

**Integrity policy:** Sharing of materials from previous years is not permitted. Work presented in other courses is not acceptable.

**Mental health support:** The instructors, teaching assistants, and the university care about your wellbeing. Seek support if needed.