

# Biology of Microorganisms Laboratory (MIC 205L, 1 credit)

## Syllabus, Spring Semester 2015

**Course Administrator/Coordinator:** John Wilbur, Ph.D.  
Office Hours: MTTHF 1-2pm: wilburj@email.arizona.edu

**Course Description:** Microbiology 205L is the laboratory companion course to the MIC 205A lecture course. The credit and grade for 205L is separate from the lecture and need not be taken concurrent with MIC 205A. This course is designed to introduce basic microbiology lab techniques.

**Course Organization:** Students will attend 15 laboratory sessions scheduled twice weekly for 8 weeks during either the first half of the semester (Alpha Division) or the second half of the semester (Beta Division), per the following schedule.

**Alpha Division (Sections 1, 2, 3, 4):** MW (Sec. 1 and 2); Jan 14 – Mar 4. TTR (Sec. 3 and 4) Jan 15 – Mar 5. (No labs, i.e. free time for Beta Division students during this period)

**Beta Division (Sections 5, 6, 7, 8):** MW (Sec. 5 and 6); Mar 11 – May 4. TTR (Sec. 7 and 8) Mar 12 – May 5. (No labs, i.e. free time for Alpha Division students during this period)

One Graduate Teaching Assistant (GTA) and two or more undergraduate Preceptors are responsible for each Section. The GTA is responsible for explaining the laboratory content and the Preceptors will assist with the technical aspects of the lab. The GTA is also responsible for preparing and grading the quizzes and exams, and calculating the final grade.

**Attendance Policy:** Laboratory attendance is required and is instrumental to succeeding in this course. Missed quizzes will count as a zero and absence for a notebook check will also result in a score of zero. Due to the short duration of the class, there will be a zero tolerance policy for absences. Unexcused absence from any lab will result in an E for the lab grade unless you withdraw by the drop date. Students are responsible for the information reviewed during any missed laboratory sessions and should coordinate with their TA's whenever possible to gather data from missed labs.

### Grades:

Activities	Points	Grade Calculation
Quizzes	100	459-510 = A
Gram Stain unknown	50	408-458 = B
Microbial Unknown and Report	100	357-407 = C
Notebook checks	50	306-356 = D
Comprehensive practical final exam	100	< 305 = E
Pre and post lab questions	110	
Total points	510	

**Required Laboratory Materials:** The **Laboratory Manual** for this course must be downloaded from the D2L course website where it is filed under “content”. It contains the instructions for each laboratory session. You are required to maintain a **Laboratory Notebook** throughout the semester. A bound notebook is preferred to minimize the potential for losing pages (and important notes as well!). This notebook should have a table of contents on the first page and all subsequent pages numbered. Each experiment should have its own title, purpose, methods, observations, and conclusion. You are responsible for having all experiments recorded in the notebook and keeping it up to date.

**Lab Rules:** You must adhere to the lab rules as discussed on the first day of class. No food or drink is allowed in the lab. You should wear closed-toed shoes and a lab coat for each lab. In addition, you are responsible for cleaning your area before you leave the lab.

**Lab Safety:** These laboratory exercises have been developed to minimize dangers posed to students. However, we occasionally use equipment or reagents that can cause injury and accidents could happen. You must report any injury to the prep-room staff or your TA immediately! Showers, eyewashes, fire extinguishers and first-aid kits are present in the event of an emergency.

**Code of Academic Integrity:** University standards for ethical behavior are outlined under The Code of Academic Integrity. (<http://dos.web.arizona.edu/uapolicies/scc5308abcd.html#sccphilosophy>). ABOR Policy 5-308 prohibits threats of physical harm to any member of the University community, including to one’s self; see <http://policy.web.arizona.edu/~policy.threaten,shtml>. Additional departmental statement on academic honesty: All forms of academic dishonesty are prohibited, including, but not limited to: cheating, fabrication, facilitating academic dishonesty, plagiarism, modifying any academic work to obtain additional credit without the approval of the instructor, or attempting to carry out any of the above. Committing any of the above will result in sanctions being imposed on the student's scores or grade up to and including the assignment of an "E" for the entire course.

**Special Needs:** Students who need special accommodation or services should contact the DRC, 1224 E. Lowell St., Tucson, AZ, 85721, (520) 621-3268; FAX (520) 621-9423; email [uadrc@email.arizona.edu](mailto:uadrc@email.arizona.edu); <http://drc.arizona.edu>. The need for accommodations must be documented by the appropriate office.

**Change:** Information contained in the course syllabus and schedule, other than the grade or absence policy, may be subject to change (with advance notice), as deemed appropriate by the instructor.

## MIC 205L COURSE PERSONNEL

### Graduate Teaching Assistants

Kamini Joshi, MW 9:00-11:50PM, Sections: 1, 5  
Email: [khjoshi@email.arizona.edu](mailto:khjoshi@email.arizona.edu)

Farhan Anwar, MW 9:00-11:50PM, Sections: 2, 6  
Email: [fanwar@email.arizona.edu](mailto:fanwar@email.arizona.edu)

Aishwarya Rao, TTR 10:00-12:50PM, Sections: 3, 7  
Email: [aishwaryarao@email.arizona.edu](mailto:aishwaryarao@email.arizona.edu)

Shelby Wendel, TTR 10:00-12:50PM, Sections: 4, 8  
Email: [swendel@email.arionzona.edu](mailto:swendel@email.arionzona.edu)

Dr. Wilbur – [wilburj@email.arizona.edu](mailto:wilburj@email.arizona.edu)

### Microbiology Laboratory Preparation Staff

**Nancy Costanza:** Lab Coordinator Sr.,  
Email: [nancyc@u.arizona.edu](mailto:nancyc@u.arizona.edu) Phone: 621-9975

**Connie Carter:** Lab Coordinator,  
Email: [carterc@u.arizona.edu](mailto:carterc@u.arizona.edu) Phone: 621-9975