

Fundamental Microbiology Lab

Term: Fall 2023

Rev: 07/11/23

Instructor: Dr. Mark Heller
 Phone: 678-881-3778
 Email: mheller@college.piedmont.edu
 Course Abbreviation: MICL-2305-010
 C-ID: 60077
 Course Hours: 100
 Class Time: 10:00-14:20 (180min/2:20pm)
 C-ID: 2100

Day	Time (Lab)	Time (Lect)	Location
Tuesday	14:20-16:30	2:20pm-3:20pm	LTC 238 (100)
Wednesday	10:00-12:00	10:00-11:00	Office 101 (100)
Thursday	10:00-12:00	2:20pm-3:20pm	Office 101 (100)
Friday	10:00-12:00	2:20pm-3:20pm	Office 101 (100)
Saturday	10:00-12:00	2:20pm-3:20pm	Office 101 (100)
Sunday	10:00-12:00	2:20pm-3:20pm	Office 101 (100)
Monday	10:00-12:00	2:20pm-3:20pm	Office 101 (100)

Any changes to tutoring hours, whether for a single day or a change for the duration of the semester, will be posted in the announcements section of Canvas. You should always check the announcements prior to developing your tutoring schedule.

While tutoring is available outside of the above listed hours, Dr Heller is always willing to schedule appointments outside of the regular posted tutoring and advising hours. To schedule a session outside of the regular hours, you must e-mail Dr Heller at mheller@college.piedmont.edu prior to the day you wish to meet. In your email, specify what time of the day you can meet. Dr Heller will do his best to meet your schedule. However, the day and time must be mutually compatible for both of us. Students who turn-up outside the hours listed or without an appointment will be turned away & ejected from the lab.

Office location: C-1126

Week (Start of week, Monday)	Lab	Ex #	Exercises	Misc. dates	Online Homework - Pre-Labatory Class (College)	Assignment dates (College)	Quizzes (College)	Fungal, Protocist, & Helminthology Assignments (College)	Discussions for on-campus (face-to-face) classes	Misc. Assignments outside course grade
08/21/23	1	1	Exercise 1- Lab Introduction and compound microscopy	Start of classes = 08/21/23 Red Verification Period = 08/21/23-08/23/23 Red Verification MUST be signed in class (no emails or online sign in allowed by Department) (College policy for on-campus classes)	Pre-Lab HW 01 (Ex 01 & 02) = 08/21/23-08/23/23 Pre-Lab HW 02 (Ex 03, 04 & 16) = 08/23/23-08/23/23		Micro Lab Quiz 01 (Ex 01) = 08/23/23-08/23/23		Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	College: Syllabus quiz = 08/21/23-08/23/23 Red Verification = 08/21/23-08/23/23 Progression module = 08/21/23-08/23/23
	2	2	Exercise 2- Aseptic transfer techniques	Safety Contracts updated under assignments in Canvas = 08/21/23-08/23/23					Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	Success in this course = 08/21/23-08/23/23 Lockdown Browser Test = 08/21/23-08/23/23
	3	3	Exercise 3- Streak and Spread Plates						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	4	4	Exercise 4- Growth characteristics of agar/soil						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
08/28/23	5	5	Exercise 5- Hand washing	No Classes = 08/28/23	Pre-Lab HW 03 (Ex 05 & 06) = 08/28/23-08/28/23	Lab report 3 (Ex 4) = 08/28/23-08/28/23	Micro Lab Quiz 02 (Ex 02 & 03) = 08/21/23-08/28/23		Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	6	6	Exercise 6- Wet mount microscopy						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
09/11/23	7	6	Exercise 6- Smear prep, simple stain, demo slides		Pre-Lab HW 04 (Ex 07 & 08) = 08/11/23-08/13/23	Lab report 2 (Ex 7) = 08/01/23-08/16/23		Fungal 01 = 08/11/23-08/13/23	Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	8	7	Exercise 7- Gram stain, 3-7 and 3-10 demo slides						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
09/18/23	9	8	Exercise 8- Schaeffer Fator endospore stain, demo slides		Pre-Lab HW 05 (Ex 09 & 10 & 11) = 08/18/23-08/23/23	Lab report 4 (Ex 8-7-8) = 08/18/23-08/23/23	Micro Lab Quiz 04 (Ex 09 & 08 & 7 & 6) = 08/23/23-08/23/23	Protocist 01 = 08/18/23-08/23/23	Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	10	9	Exercise 9- Anticollinase						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
09/25/23	11	10	Exercise 10- Selective/differential media for Gram + and Gram -						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	12	11	Exercise 11- Carbohydrate fermentation broth, TSI agar						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
10/2/23	13		Review for Mid-Term Practical	Before midnight extension request date = 10/2/23	Pre-Lab HW 06 (Ex 12 & 13 & 14) = 10/02/23-10/02/23	Lab report 5 (Ex 11) = 10/02/23-10/02/23	Midterm extra credit = 10/02/23-10/02/23		Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	Online (College) = 10/02/23-10/02/23 Exam = Closed book (no resources after than your lab) = 10/02/23-10/02/23
	14	12	Exercise 12- Catalase, cytochrome oxidase, congruence	Last day to withdraw = 10/12/23					Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
10/9/23	15	13	Exercise 13- Urease, casein, spore, amylase tests, Pseudomonas T agar						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	16	14	Exercise 14- IMViC tests, SIM medium		Pre-Lab HW 07 (Ex 15) = 10/16/23-10/16/23	Lab report 7 (Ex 13-12) = 10/13/23-10/16/23	Micro Lab Quiz 08 (Ex 16) = 10/23/23-10/23/23	Fungal 02 = 10/16/23-10/16/23	Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
10/16/23	17	15	Exercise 15- Serial dilutions and viable plate count		Pre-Lab HW 08 (Ex 17 & 22 & 23) = 10/16/23-10/21/23	Lab report 8 (Ex 14) = 10/16/23-10/21/23			Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	18	17	Exercise 17- UV Radiation		Pre-Lab HW 09 (Ex 18 & 19 & 16) = 10/23/23-10/23/23	Lab report 9 (Ex 16) = 10/23/23-10/23/23	Micro Lab Quiz 09 (Ex 17) = 10/23/23-10/23/23	Protocist 02 = 10/23/23-10/23/23	Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
10/23/23	19	16, 18	Exercises 16 and 18- Antibiotic sensitivity and Disk Diffusion						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	20		Handout- Rapid Immunologic Diagnostics Tests Unknown						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	College (Assignments) Extra credit assignment = 10/23/23
11/6/23	21	Unknown	Handout and g. 41- Gram stain Unknown			Lab report 10 (Ex 18) = 10/31/23-11/02/23	Micro Lab Quiz 10 (Ex 17 & 16 & 15) = 11/02/23-11/02/23	Helminth 02 = 10/30/23-11/01/23	Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	22	Unknown	Handout-Biochemical Tests on Unknown						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
11/13/23	23	Unknown	Exercise 23- Fungal demo slides, confirm unknowns						Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	24	Unknown	Exercise 24- Protocist demo slides, unknown tests	After midnight extension request date = 11/13/23	Pre-Lab HW 10 (Ex 24) = 11/13/23-11/13/23	Unknown report = 11/06/23-11/13/23	Protocist 03 = 11/13/23-11/13/23	Helminth 03 = 11/13/23-11/13/23	Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
11/20/23	25	Unknown	Exercise 25- Helminth slides/specimens	Thanksgiving Break = 11/23/23-11/23/23					Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	
	26		Review of slides - Review for Finals	End of classes = 12/04/23					Submit your discussion from the classroom using the QR code displayed in class. If you are not in the classroom, then you cannot submit your discussion (see policy in the syllabus).	Online (College) = FINAL EXAM = Closed book (no resources after than your lab) = 11/23/23-12/04/23

Disclaimer: The class dates and content are tentative, and as such are subject to change. Work due dates are 11:59pm of the day indicated, unless otherwise indicated (see submissions will not be graded). Online assignments are open from 12:01am on the first date of the range listed until 11:59pm of the last date listed.