



Spring 2024

**Bio 205 – Microbiology Lab Schedule**

| <b>Week</b>   | <b>Date</b> | <b>In-person lab exercises</b>  | <b>Online lab exercises</b>                                 |
|---------------|-------------|---|---|
| <b>Week 1</b> | 1/16 & 1/18 | Introduction to lab, microscope, handwashing  | Introduction to Brightfield Microscope                      |
| <b>Week 2</b> | 1/23 & 1/25 | Aseptic transfers, Gram stain, acid-fast stain  | Eukaryotes of Microbiology                                  |
| <b>Week 3</b> | 1/30 & 2/1  | <b>Exam 1</b> over Chapters 1,3, 4, 5, 6, 9 in NS 315 at your lab day and time.   | COVID-19  |
| <b>Week 4</b> | 2/6 & 2/8   | Bacterial transformation  | DNA replication, transcription, translation, and mutations. |
| <b>Week 5</b> | 2/13 & 2/15 | <b>Exam 2</b> over Chapters 11, 12, 13, 14 in NS 315 at your lab day and time.  | Library Research Module                                     |
| <b>Week 6</b> | 2/20 & 2/22 | PCR   | Epi Curves  |
| <b>Week 7</b> | 2/27 & 2/29 | Gel electrophoresis<br>Antiseptics, disinfectants, antibiotics  | The Immune System, Parts 1 & 2                              |
| <b>Week 8</b> | 3/5 & 3/7   | Look at gels & plates & clean up.<br><b>Exam 3</b> over Chapters 15, 16, 17, 18, 19 in NS 315 at your lab day and time. | Course evaluation   |