

Bio 50 — Microbiology — **Tentative Spring 2018 Course Calendar** — Dirk Sikkema

	Tuesday	Thursday
Lec Lab	1/23 Introduction/Evolution Lab 1 – Welcome to Microbiology Lab 2 – Microbes Are Everywhere	1/25 Evolution Lab 2 – (continued) Lab 3 – Microscopy
Lec Lab	1/30 Microscopy Lab 4 – Simple Stain	2/1 Bacterial Structure Lab 5 – Gram Stain
Lec Lab	2/6 Bacterial Structure Lab 6 – Culturing Bacteria	2/8 Bacterial Structure & Eukaryotes Lab 6 – (continued) Lab 7 – Structural Stains
Lec Lab	2/13 Metabolism Lab 6 – (continued)	2/15 Metabolism Test #1
Lec Lab	2/20 Metabolism Lab 8 – Unknown Lab 9 – Sugars Techniques Test	2/22 Metabolism Labs 8 & 9 – (continued) Lab 10 – Amino Acids & other molecules Lab 11 – Exoenzymes
Lec Lab	2/27 Metabolism Lab 9 – (continued) (day 3) Labs 10 & 11 – (continued) Lab 12 – Respiration	3/1 Metabolism Lab 12 – (continued) Lab 13 – Enzymes
Lec Lab	3/6 Bacterial Growth Lab 8 – (continued) Data Analysis and Review	3/8 Bacterial Growth Test #2
Lec Lab	3/13 <u>Note! Lab starts at 6:00 P.M. Today</u> Lab 14 – Bacterial Growth Curves	3/15 Bacterial Growth Lab 15 – Plate Counts of Bacteria Lab 16 – Selective Media
Lec Lab	3/20 Control of Growth – Physical Labs 15 & 16 – (continued) Lab 17 – Heat Lab 18 – UV Radiation	3/22 Control of Growth – Chemical Labs 17 & 18 – (continued) Lab 19 – Disinfectants Lab 20 – Antibiotics

	Tuesday	Thursday
	3/27 Spring Break No Classes	3/29 Spring Break No Classes
Lec Lab	4/3 Bacterial Genetics – Intro/Replication Labs 19 & 20 – (continued) Lab 21 – DNA Isolation	4/5 Replication Test #3
Lec Lab	4/10 How Bacteria Get New Genes Lab 22 – Transformation Lab 23 – DNA Replication	4/12 Transcription/Translation Lab 22 – (continued) Lab 24 – Mutation
Lec Lab	4/17 Restriction Enzymes/Electrophoresis Lab 24 – (continued) (Day 2) Lab 25 – Restriction Analysis of DNA	4/19 <u>Note! Lab Starts at 6:00 P.M. Today</u> Lab 24 – (continued) (Day 3) Lab 25 – (continued) (Day 2)
Lec Lab	4/24 Cloning/DNA Analysis Lab 25 – (continued) (Day 3) Lab 26 – Bacteriophages	4/26 Viruses Lab 26 – (continued)
Lec Lab	5/1 Viruses Test #4	5/3 Disease Lab 27 – Disease
Lec Lab	5/8 Disease Lab 27 – (continued) Lab 28 – Pathogens	5/10 Immune System Lab 28 – (continued) Lab 29 – Non-specific defenses
Lec Lab	5/15 Immune System Lab 29 – (continued) Lab 30 – Antibodies	5/17 Immune System Lab 30 – (continued)
	5/22 Finals Week Comprehensive Final	5/24