

BIOLOGY 2400
TENTATIVE LABORATORY SCHEDULE
WINTER SEMESTER 2008

WEEK #	WEEK OF	EXERCISES
1.	Jan. 10	Laboratory Introduction
2.	Jan. 14	The Simple Stain The Gram Stain
3.	Jan. 21	The Endospore Stain The Acid Fast Stain
4.	Jan. 28	The Hanging Drop The Negative Stain
5.	Feb. 4	Stain Review Day UNKNOWN I
6.	Feb. 11	Temperature and Bacterial Growth Microbes and Heat Sensitivity
7.	Feb. 18	Oxygen and Bacterial Growth The Streak Plate
8.	Feb. 25	MPN Testing Differential, Selective and Enriched Media
9.	Mar. 3	The Standard Plate Count and Sanicheck System Read off above results
10.	Mar. 10	Winter Break
11.	Mar. 17	The Standard Plate Count (solid) and Membrane Filtration (Verbal instructions to be given) Bacterial Transformation (Handout)
12.	Mar. 24	Bacterial Conjugation (Handout) Plaque Assay for the Determination of Viral Titer (Handout)
13.	Mar. 31	Antibiotic Sensitivity Testing—Disk Method Ultra Violet Light (Verbal Instructions to be given)
14.	April 7	ELISA (Handout) Fermentation of sugars, H ₂ S test, Indole test, and Citrate test Mannitol fermentation test
15.	April 14	The Catalase Test, The Urease Test, and Starch Hydrolysis, Read off above results
16.	April 21	Unknown II: Gram Stain/Set up Streak Plate Unknown II: Examine Streak Plate/ Set up Tests
17.	April 28	Unknown II: Examine Tests/ID Bacterium Laboratory Check Out
18.	May 5	Lecture/review Final Examination