

## **INDUSTRIAL MICROBIOLOGY MBIO 4510 LAB EXAM OUTLINE**

**Date:** March 30, 2007

**Time:** 2:30 pm

**Duration:** 1.5 h

**Location:** 207 Buller

Bring a non-programmable calculator to the lab exam.

### **Policy:**

The lab exam is part of the final course exam. In compliance with the Department of Microbiology regulations students may not view their final lab exam unless officially appealed.

### **Format:**

- one word to medium length no multiple choice
- pen only
- format very similar to example lab exam found at the end of your lab manual

### **Material covered:**

- Responsible for all material in lab manual.
- Responsible for information on beer making in lab manual appendix and basic information given on Fort Garry beer tour or virtual beer assignment. Relate what you see to beer processes.
- Responsible for lab report information. With regards to the citric acid project reports, you are responsible for basic experiment and expected optimum experiment condition given in your lab manual. Group abstracts available on website are for your own information.
- Responsible for basic information presented during Tissue Culture Tour.
- Know expected data.
- Know all calculations and analysis.
- It is important to understand procedures (function/purpose of experimental steps, techniques, and solution involved.)
- However, if I ask you how to PREPARE a media or solution, step by step precise details are required. I would give you the media components.
- You are not responsible for Microsoft excel functions or chart setup.

### **Appendix:**

- Responsible for material in appendix.

### **Reference material:**

- Only information that helps you better understand information given in lab manual.