

# BIOLOGY OF FOOD SAFETY

## Biology 3770FA

### COURSE OUTLINE FALL 2017

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#### Instructor

Dr. Heidi Schraft  
Biology, CB4015  
Phone: 343-8351  
Email: heidi.schraft@lakeheadu.ca

#### Office hours

Wednesday: 10am - Noon  
You can also email me to make an appointment.

#### Teaching Assistant

Martina Agostina  
Email: magosti1@lakeheadu.ca

#### Lectures

Tuesday and Thursday  
8:30 – 10:00am  
ATAC 2015

#### Performance Evaluation

Activity	Weight
Class participation (iClicker, on-line quizzes)	5%
Major Paper <ul style="list-style-type: none"><li>○ Identify specific topic and question: 2 pts</li><li>○ Annotated Bibliography: 7 pts</li><li>○ Draft: 7 pts</li><li>○ Peer review of draft: 4 pts</li><li>○ Final submission: 10 pts</li></ul> <b>Total: 25 pts</b>	30%
Mid-term tests (best 2 of 3 count)	30%
Final exam	35%

## Textbook, Required Materials and Resources

**Required Textbook:** *Microbiology – The Human Experience*. By Foster et al. Published by Norton. Preliminary edition. **Available at the bookstore**  
Refer to D2L for eBook options.

***There will be required reading from the book and I strongly recommend that you have a book available to you throughout the semester.***

**Acceptable alternative:** *Microbiology – A Human Perspective*. By Nester et al. Published by McGraw-Hill. Eighth edition.

**Required iClicker2** In addition to the book, you will need an iClicker2

- **iClicker2 is available at the bookstore.** You may be able to buy a used i>clicker from another student. i>clicker2 with access code refers to the newer model of i>clicker2; you will not need this access code.

In addition, relevant journal articles and books will be placed on reserve in the library and/or posted on the Desire2Learn Course site (see below).

## iClicker

I will be using the iClicker student response system in class. iClicker helps me understand what you know and gives everyone a chance to participate in class. Participation with iClicker will account for **5% of your final grade**. I will drop 2 of the lowest scores to account for times you forget to bring your clicker to class.

***You may use one of the following models:***

iClicker + Remote

iClicker2 Remote

Participation with the mobile application, iClicker Reef will not be allowed.

***How to register:***

**You will register in class via roll-call registration;** there is no need to register on iclicker.com or elsewhere.

To receive credit for the responses you submit to iClicker sessions, you **must register by Wed Sept. 20, 2017**. Students who register after this date will not receive credit.

***Troubleshooting:***

You can find the answers to many of your questions on the iClicker [student support](http://iclicker.com/student-support) site (iclicker.com/student-support). If you continue to experience issues, please contact support via phone (866.209.5698 ) or email ([support@iclicker.com](mailto:support@iclicker.com)). Live support is available Monday - Thursday from 9AM - 11PM, ET and Friday from 9AM - 9PM, ET

***Cheating:***

I consider bringing a fellow student's iClicker remote to class to be cheating and a violation of the University Honor Code. If you are caught with a remote other than your own or have votes in a class that you did not attend, you will forfeit all clicker points and may face additional disciplinary action.

## Desire2Learn (D2L)

You will have access to a course homepage through Desire2Learn where you'll find course updates, slides discussed during class, assignments and links to selected web-sites.

To log into your course website:

1. Go to <http://mycourselink.lakeheadu.ca>
2. Enter your Login/ID (your Lakehead University e-mail username) and your Password/PIN number.
3. Click on the course title to enter the course.

If you encounter any difficulties logging into the course site, please contact the Office of Continuing Education and Distributed Learning at 346-7730 or email [cedl@lakeheadu.ca](mailto:cedl@lakeheadu.ca)

## Accommodation for Disabilities

Lakehead University is committed to achieving full accessibility for persons with disabilities. Disabilities include physical disability, learning disability, mental disorder etc.

Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities.

If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit: <http://studentaccessibility.lakeheadu.ca>

## Academic Dishonesty and Plagiarism

This course will have a zero-tolerance for academic dishonesty and plagiarism. For further information, please refer to the Code of Student Conduct and the Lakehead University Calendar (Section IX).

### What is Plagiarism?

Plagiarism is taking the ideas or words of others and passing them off as your own. Plagiarism is a type of intellectual theft.

Plagiarism can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. Plagiarism can have serious consequences, so it is important that students be aware of what it is, and how to avoid it.

It is also plagiarism, to submit an assessment item that has already been submitted for academic credit elsewhere, or to knowingly permit your work to be copied by another student.

There are very serious penalties for plagiarism, ranging from re-submission, reduction of marks (including to zero), failure of the course, and exclusion from the university.

## Schedule for Lectures

Date	Topic of Lecture	Quizzes and Materials due
Sept. 5	Introduction / What is Food Safety ?	
Sept. 7	Microbial Food Safety	
Sept. 12	Microbial Food Safety	
Sept. 14	Microbial Food Safety	Sept. 18: <i>Last day to add classes</i>
Sept. 19	Microbial Food Safety	From this day on, iClicker work counted
Sept. 21	Transmissible Spongiform Encephalopathies	Topic & Question due
Sept. 26	Transmissible Spongiform Encephalopathies	
Sept. 28		<b>Test #1</b>
Oct. 3	Antimicrobial Resistance	
Oct. 5	Antimicrobial Resistance	Annotated Bibliography due
<b>Oct. 9 - 13</b>	<b>Fall Study Break</b>	
Oct. 17	Antimicrobial Resistance	
Oct. 19	Food Allergies	
Oct. 24	Food Allergies	
Oct. 26	Food Allergies	
Oct. 31		<b>Test #2</b>
Nov. 2	Chemical Contaminants and Food Additives	Nov. 3: <i>Final date for course withdrawal without academic penalty</i>
Nov. 7	Chemical Contaminants and Food Additives	Draft due
Nov. 9	Diet and Chronic Disease	
Nov. 14	Diet and Chronic Disease	Peer Review due
Nov. 16	Diet and Chronic Disease	
Nov. 21	Novel Foods	
Nov. 23		<b>Test #3</b>
Nov. 28	Novel Foods	Final Paper due
Nov. 30	Novel Foods	