

BIOLOGY OF FOOD SAFETY

Biology 3770FA

COURSE OUTLINE FALL 2018

Instructor

Dr. Heidi Schraft
Biology, CB4015
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Office hours

Wednesday: 1 pm – 2 pm
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 2021

Performance Evaluation

| Activity | Weight |
|--|--------|
| Class participation (iClicker, on-line quizzes) | 5% |
| Major Paper <ul style="list-style-type: none">Identify specific topic and question: 2 ptsAnnotated Bibliography: 7 ptsDraft: 7 ptsPeer review of draft: 4 ptsFinal submission: 10 pts Total: 30 pts | 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. First edition. **Available at the bookstore.**

The preliminary edition is also acceptable. 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 Anderson et al. Published by McGraw-Hill. Eighth edition.

Required iClicker 2 In addition to the book, you will need an iClicker2

- **iClicker 2 is available at the bookstore.** You may be able to buy a used iClicker from another student. You will not need any access code for this class.

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

We will use 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 the two lowest scores to account for times you are not able to attend class or forget to bring your iClicker remote to class.

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

We will register iClicker remotes in class via roll-call registration; thus, 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 in class by Tue Sept. 18, 2018**. 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). 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 the course homepage through Desire2Learn where you'll find course updates, all lecture slides, assignments, additional readings, 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

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. 4 | Introduction / What is Food Safety? | |
| Sept. 6 | Microbial Food Safety | |
| Sept. 11 | Microbial Food Safety | |
| Sept. 13 | Microbial Food Safety | Sept. 17: Last day to add classes |
| Sept. 18 | Microbial Food Safety | From this day on, iClicker work counted |
| Sept. 20 | Microbial Food Safety | Topic & Question due |
| Sept. 25 | Antimicrobial Resistance | |
| Sept. 27 | Antimicrobial Resistance | |
| Oct. 2 | Antimicrobial Resistance | |
| Oct. 4 | | Test #1 |
| Oct. 9 - 13 | Fall Study Break | |
| Oct. 16 | Food Allergies | Annotated Bibliography due |
| Oct. 18 | Food Allergies | |
| Oct. 23 | Food Allergies | |
| Oct. 25 | Chemical Contaminants and Food Additives | |
| Oct. 30 | Chemical Contaminants and Food Additives | |
| Nov. 1 | | Test #2 |
| Nov. 6 | Diet and Chronic Disease | Draft due |
| Nov. 8 | Diet and Chronic Disease | Nov. 9: Final date for course withdrawal without academic penalty |
| Nov. 13 | Diet and Chronic Disease | Peer Review due |
| Nov. 15 | Diet and Chronic Disease | |
| Nov. 20 | Novel Foods | |
| Nov. 22 | | Test #3 |
| Nov. 27 | Novel Foods | Final Paper due |
| Nov. 29 | Novel Foods | |

The description, detailed instructions and on-line submission folders for the Major Paper Assignment will be available on the D2L course site.

Exam Period: Dec. 6 to Dec. 16, 2018

Exam Contingency Date: Dec. 17, 2018