

# **BIO A01H3 F - *Life on Earth: Unifying Principles***

## **Fall 2016**

### **COURSE SYLLABUS**

#### ***Welcome to Introductory Biology at UTSC!***

#### **Objectives and Outcomes**

The primary goal of BIO A01F is to provide students with the strong foundation needed to become a successful biologist. During the term you will learn:

- (1) the major principles of the fundamentals of evolution, speciation and population; the principles of gene action and inheritance; and genetics, cellular organization and metabolic processes;
- (2) the essential skills to become an active learner of science;
- (3) some basic laboratory techniques that are required to pursue your chosen field in science;
- (4) to combine the learning objectives mastered in items 1 to 3 to read relevant biology research articles, analyze data, communicate experimental results and to construct a biology knowledge-scaffold to serve as the foundation for upper year studies in the areas of cellular, molecular, physiological and evolutionary biology studies.

#### **Overview**

BIO A01F is taught in the Fall Term (September to December) and consists of thirty-six lectures on Biology content (three 50-minute lectures per week), 1 field trip (see blackboard for announcement in addition to instructions given in first lecture) and five labs (one 3- hour lab practical every two weeks for the remainder of term).

The **Biology Lectures are on Tuesday, Thursday and Friday** (Lecture Section times are listed on page 6). There are **three modules each consisting of 12 lectures**. The **first module** will examine evolution as the framework in modern biology, and topics such as population genetics, cladistics and speciation. An appreciation for the diversity of life is emphasized throughout the course with specific emphasis on the prokaryotes, viruses/prions and protists. The **second module** will introduce students to cell structure and then explore the principles of energetics and cellular metabolism, using respiratory and photosynthetic pathways as two important examples. The role of mitochondria and chloroplasts in cell metabolism is considered. The **third module** will focus on the role of the nucleus in cellular function, cell proliferation and inheritance and examine processes including DNA synthesis, protein synthesis, cell division (mitosis, meiosis) and genetic principles.

The **Biology Labs are scheduled on Mondays, Tuesdays, Wednesdays and Thursdays** (times depend on your Practical Section- see pages 11 & 12). The labs are led by teaching assistants (TAs) and are designed to provide students with opportunities to develop a variety of important skills that will be beneficial throughout their university experience in biology. The key concepts in science writing, math, statistics and critical thinking are required to complete BIO A01F successfully and will be integrated into the course content.

## Course Personnel

There are **several key people** you should get to know in this course: (1) the Instructors, (2) the Course Coordinator, (3) the Bio-Help TAs, and (4) your Lab Practical TA.

### (1) Instructors

*You may contact Instructors or the BioHelp TA with questions about Lecture content and exams.*

**Dr. Mark Fitzpatrick is the Instructor for the first module of A01F for the Fall 2016 Term.**

Office: **SW 558A**

Office Hours: **TBA** see also Module 1 Lecture Schedule

**Dr. Shelley Brunt is the Instructor for the second module of A01F for the Fall 2016 Term.**

Office: **SW563A**

Office Hours: **TBA** see also Module 2 Lecture Schedule

**Dr. Aarthi Ashok is the Instructor for the third module of A01F for the Fall 2016 Term.**

Office: **SW521D**

Office Hours: **TBA** see also Module 3 Lecture Schedule

***All emails must be addressed to: [biolife@utsc.utoronto.ca](mailto:biolife@utsc.utoronto.ca). PLEASE INCLUDE Instructors Last Name in Subject Line [FITZPATRICK, BRUNT, ASHOK OR KEIR (the course coordinator)].***

***Include your name, lecture section (LEC01 or LEC02 or LEC 60), AND your Student Number in email!!***

- ***Please send all emails from your University Email Accounts! Emails sent from outside accounts will NOT be answered.***
- ***Emails without an instructor name in the subject line will NOT be answered.***

### (2) Course/Lab Coordinator

**- Karolyn Keir is the Course Coordinator for BIO A01F for the Fall 2016 Term.**

Karolyn will deal with matters such as late enrollment, drop dates, missed tests, missed labs, marks management and general advising as related to the course as a whole.

Office: **SW238**

Office Hours: **TBA, or by Appointment**

Email: **[biolife@utsc.utoronto.ca](mailto:biolife@utsc.utoronto.ca)** , include KEIR and BIO AO1 in subject line. Emails will be answered during regular business hours **Monday to Friday 9:00am-5:00pm and not on weekends.**

**(3) Teaching Assistant (TA) – Bio-Help TA’s**

There is a Teaching Assistant who will be familiar with the lab content. This **Bio-Help TA will be available in the Library to answer your questions about course content and help with problems encountered with lab assignments.** The **times and locations when the Bio-Help TA is available in the Library will be posted on the Course Webpage (Blackboard)** throughout the Fall 2016 Semester. Check for updates as the available hours will change as students’ needs change during the term.

**Lecture Bio-Help TA: Ruben Flam-Shepherd**

**Office:** Library, room TBA (office hours only)

**Office Hours:** TBA (see Blackboard)

**Email:** ruben.flam.shepherd@mail.utoronto.ca (address “biohelp lecture” in Subject line.)

**Laboratory Bio-Help TA: Nikki Alber**

**Office:** Library, room TBA (office hours only)

**Office Hours:** TBA (see Blackboard)

**Email:** nikki.alber@utoronto.ca (address “biohelp lab” in Subject line.)

**(4) Teaching Assistant (TA) – Lab TA**

The **BIO A01F Labs** are located in **Rooms SW-237 and SW-240.**

*Students **must attend the specific Practical (Lab Section) in which they are registered.***

Each lab is led by a **Teaching Assistant** that will guide you through the lab exercises/experiments. Learn your Teaching Assistant’s name and use the email address provided by your TA on Blackboard to contact him/her if you have questions/concerns regarding your labs or lab assignments.

**(5) Facilitated Study Groups**

BIOA01 is supported by Facilitated Study Groups. These weekly study sessions are open to everyone in the class. Attendance is voluntary, but students who attend regularly often earn higher grades. If you have any questions, please ask your facilitator, or visit the FSG website at <http://ctl.utsc.utoronto.ca/home/fsg>.

**Communication within BIO A01F**

The **main source for information for BIO A01F is on the Course Webpage provided on Blackboard.** Information such as Instructors’ contact information and office hours, biology lecture outlines and notes, assignment instructions, test dates and locations and other useful resources will be posted on Blackboard throughout the course. Lab information and marks will also be posted on Blackboard. Announcements for BIO A01F will be posted on Blackboard, so **make sure you set Blackboard to inform you when updates are made to the Blackboard Course Page.** Always check the BIO A01F Course Webpage on Blackboard for information *before* contacting the Instructors/Coordinators or TAs.

**Students must use their UTORid and password to log onto Blackboard.**

**Log onto Blackboard** by clicking the “Portal” link on the **UTSC Homepage.**

**NOTE: You will need a UTSC computer account in order to log onto Blackboard.**

- **Always use biolife@utsc.utoronto.ca for Instructors and Course Coordinator. Include the Instructors last name in the “Subject Line” or your email will not be answered.**
- **Address emails to Lab TA’s using their individual accounts (each TA will give you contact information in the first Lab).**
- **Always use your UTSC email address** for contacting the Instructors, the Course Coordinator, and the Teaching Assistants (TAs).
- **Emails from other email addresses WILL NOT be answered.**

## Course Materials:

### (A) Textbooks and Lab Manual

The complete **Textbook Package** can be purchased at the **UTSC Bookstore** located above Tim Horton’s in the Bladen Wing.

Textbook Policy: The purchase of a textbook is required for BIO A01F.

(1) The **Textbook** for BIO A01F is:

Morris J, Hartl D, Knoll A, Lue R, Michael M. 2016 Biology How Life Works (2<sup>nd</sup> ed.)  
W.H. Freeman & Company: Macmillan Education Imprint. 1096 p.

(2) **Launchpad** is an additional, online supplement to help you master the material presented in BIO A01F.

With the digital resource, LaunchPad that accompanies the Morris How Life Works 2nd edition textbook you will be able to access some exciting learning resources such as Animations, Videos, Quizzing, Simulations that can help your understanding and knowledge in BIO A01. You can purchase and access LaunchPad a few different ways: 1. LaunchPad is packaged at no extra cost with the loose-leaf text - \$129.99 (approx) or hard-cover text - \$172.99 (approx) purchased through the bookstore Launchpad can also be purchased as a stand-alone item that includes the e-text for \$88.99 and this can either be purchased through the campus bookstore website or directly through the Macmillan website. For Technical Support please call: 1-800-936-6899

(3) The **Textbook Website (ebook)** developed by the Publisher of the textbook has additional resources that students will find useful in both introductory biology courses (BIO A01F and BIO A02S). An Access Code to this site is included.

1. The **Lab Manual** is a separate publication that **can be purchased at the UTSC Bookstore** (available at beginning of September 2016). The **2016 Lab Manual** is **required for all Lab Practicals**:

S. Rush, Keir K., E. Gladilina and C. Armstrong. 2016. BIO A01F - Life on Earth: Unifying Principles - Lab Manual for Fall 2016. Toronto, Ontario: University of Toronto Scarborough Printing Services.

***Photocopies of old, and now out-of-date, lab manuals are NOT ACCEPTABLE.***

## (B) Lab Coats / Protective Eyewear

**Lab coats are required for all Biology labs at UTSC**; protective eyewear is required for some labs as indicated in your Lab Manual. **Lab coats and protective eyewear are sold in various locations on campus (BioSA, EPSA, Bookstore). Refer to your Lab Manual for details for locations and times.** Nitrile gloves and other supplies will be provided in the labs as needed. Students should bring pencils, pens, markers, rulers, erasers, and calculators to all labs. **Always check your Lab Manual for any special requirements for each of your labs.**

## (C) Statement regarding Use of Turnitin

We will be using the program “Turnitin” for the submission of the Formal Lab Reports in BIO A01F. You will be provided login information by your Lab TA later in the term. For now, you should be aware of the following policy for the use of Turnitin at the University of Toronto. Students who fail to submit their work to Turnitin will receive a grade of zero and their report will not be marked.

“Normally, students will be required to submit their course essays to Turnitin.com for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the Turnitin.com reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site”.

## Course Organization

The content in **BIO A01F** will be delivered through thirty-six 50-minute Biology lectures, 1 field trip (in the first week of classes) and five 3-hour labs. Students will be evaluated through quizzes, assignments, a formal lab report, three term tests (one for each module). The final term test will be held during the exam period in December.

The students’ understanding of the material covered in the first module of the course (taught by Dr. Fitzpatrick) will be evaluated on a **term test**, using a multiple-choice question format. This test will be scheduled around early- to mid-October 2016; the date/time and location will be announced later and posted on the BIO A01F Course Webpage on Blackboard.

The students’ understanding of the material covered in the second module of the course (taught by Dr. Brunt) will be evaluated on a **term test**, using a multiple-choice question format. This test will be scheduled around early- to mid-November 2016; the date/time and location will be announced later and posted on the BIO A01F Course Webpage on Blackboard.

The students’ understanding of the material covered in the third module of the course (taught by Dr. Ashok) will be evaluated on a **term test**. This term test will also use a multiple-choice question format and will be scheduled in the UTSC Exam Period in December 2016; the details will be announced later and posted on the BIO A01F Course Webpage on Blackboard.

## Course Evaluation

The final grade in BIO A01F will be determined as follows:

**Total Laboratory component of final grade = 31 % see breakdown below:**

**Labs: Module 1: 2 labs X 3% each = 6% of final grade**

**Module 2: 2 labs X 3% each = 6% of final grade**

**Module 3: 2 labs X 3% each = 6% of final grade**

**Laboratory Assignment = 5.0% of final grade**

**Formal Lab Report = 8.0% of final grade**

**Term test #1 (Module 1) 20% of final grade**

**Online Assessment (see Module 1) 1% of final grade**

**Term test #2 (Module 2) 20% of final grade**

**Online Assessments (see Module 2) 4 % of final grade**

**Term test #3 (Module 3) 20% of final grade**

**Online Assessments (see Module 3) 4 % of final grade**

## Course Content

### 1. Lecture Topics

#### Module 1: Evolution

See Dr. Fitzpatrick Lecture Schedule

#### Module 2: Cell Biology and Metabolism

See Dr. Brunt Lecture Schedule

#### Module 3: Gene Action and Inheritance

See Dr. Ashok Lecture Schedule

### Lecture

		TIME	ROOM
LEC01	TUES	11:00-12:00	IC130
	THURS	11:00-12:00	IC130
	FRIDAY	10:00- 11:00	AC223
LEC02	TUES	13:00-14:00	AC223
	THURS	13:00-14:00	AC223
	FRIDAY	11:00 12:00	AC 223
LEC 60	Online lecture		

## 2. Lab Topics (Schedule, see pgs. 10 and 11)

- Lab 1:** Field Trip: Appreciating the Diversity of Life
- Lab 2:** Reconstructing Evolutionary Relationships using the Principle of Parsimony
- Lab 3:** Effect of CO<sub>2</sub> Availability on Photosynthesis, Data collection for Formal Lab Report
- Lab 4:** Introduction to Microscopy using Algae
- Lab 5:** DNA Extraction and Preparation of DNA Samples for PCR
- Lab 6:** Gel Electrophoresis of PCR Products and Data Analysis

## Course Regulations

### 1. Attendance at Lectures

**Attendance at the Lectures is very highly recommended. However students will also have the option to watch webcasts of the lectures online throughout the term.** In order to get maximum benefit from the Lectures in this course, students are advised:

- **to read the relevant sections in your Textbook before the Lecture;** see Instructor mini-syllabi for Textbook references. Do not take extensive notes or memorize the material at this stage - just read and become familiar with the terms and concepts to be covered.
- **to download any posted LECTURE material** from the BIO A01F Webpage before each Lecture
- **to come to the Lecture and take your own notes** with the aim of understanding the main concepts covered; or **watch the Lecture Webcast posted on Blackboard and take your own notes**
- **to re-read the relevant sections in your Textbook as needed after the Lecture and create your own study notes; review your notes frequently**
- **to arrange to see the Instructor(s) and/or Bio-Help TA,** during scheduled office hours or by appointment, if you realize that you do not understand the concepts covered in the lectures or labs.

### 2. Attendance at Labs

**Attendance in the Labs is required in order to get credit for the lab and any work associated with the lab.** Labs 2-6 will start with a **weekly quiz** on the lab activities (no quiz in Lab 1). If you arrive at your lab late after the Lab door has been closed, you will have a zero mark on the Quiz and Lab Report and will not be admitted to the lab.

If you are late for a Lab or if you miss a Lab entirely, you may **discuss your situation with the Course Coordinator, Karolyn Keir.**

**You are only allowed to miss one lab practical with valid documentation during the term. Any other labs missed will be assigned a grade of zero for any associated work regardless of the reason. Any labs missed without valid documentation will be assigned a grade of zero.**

You **will not be allowed to submit lab work/or lab assignments for any labs that you have not attended without a valid and documented reason, approved by Karolyn Keir.** Any lab work that you are allowed to submit late must be given to the Course Coordinator and will be assessed the appropriate late penalty (10% of the value of the work per day including weekends); **work will not be accepted if more than 5 days late.** Times and dates to hand in late material will be posted on blackboard, assignments may not be handed in on either Saturdays or Sundays.

### 3. Tests / Exams

If you cannot attend Friday evening or Saturday tests / exams for religious reasons, please notify the Course Coordinator, Karolyn Keir, in writing (by email) **within one week of the announced test or exam date;** an alternative time will be presented if appropriate.

If you miss the term test, the Course Coordinator, Karolyn Keir, must be **contacted within 72 hours (or 3 days) of the scheduled test in writing (by email).** Only students with a note *from the UTSC Health Centre*, or a personal documented excuse (of an extreme nature) will be given any consideration for a make-up term test. Documentation must apply to the date/time of the original test. **There will be only one opportunity to write a makeup test, if you miss the makeup you will be assigned a grade of zero for the term test.** (Note: The format of the make-up test may differ from the original test while covering the same content).

**Students who miss the final term test (for Module 3) must contact the Registrar's Office at:**

**<http://www.utsc.utoronto.ca/registrar/deferred-exams>**

and follow the procedures outlined in order arrange to write a deferred term test (for Module 3) . The deferred term test will be scheduled by the Registrar's Office during the April 2017 Exam Period. (Note: The format of the deferred term test may differ from the original final exam while covering the same content).

### 4. Required Documentation for Missed Term Work (e.g. Assignments, Labs, Tests)

In order to be eligible for consideration for a missed term test or to receive credit (whole/partial) for missed labs (and associated assignments), students must provide a valid documented reason **to the Course Coordinator, Karolyn Keir, as soon as possible upon returning to UTSC.**

For medical reasons, the **attending physician must complete the standard University of Toronto Medical Certificate.** Copies of the standard University of Toronto Medical Certificate are available on the UTSC Registrar Office Website (see below). The date/time of the Lab or Test must be clearly indicated as well as a clear statement of the medical problem requiring the student's absence.

#### The University of Toronto Medical Certificate

can be downloaded from the following link:

**[http://www.utsc.utoronto.ca/~registrar/resources/pdf\\_general/UTSCmedicalcertificate.pdf](http://www.utsc.utoronto.ca/~registrar/resources/pdf_general/UTSCmedicalcertificate.pdf)**

**Students must present the completed Medical Certificate to the Lab Coordinator as soon as possible upon returning to UTSC and before any consideration will be given for missed work!**



For other reasons (e.g. death in family, car accident/problems, transportation issues), students must provide verifiable documentation as appropriate to the situation and **discuss the situation with the Course Coordinator, Karolyn Keir, as soon as possible.**

**Students should always get valid and verifiable documentation for any situations that cause them to miss any course deadlines, commitments or tests.**

**NOTE: Reasons such as work, misreading the lab practical schedule, vacation, sleeping-in, other tests/exams and assignments in other courses are NOT ACCEPTABLE reasons for not completing your work in BIO A01F.**

## **5. Procedures regarding Final Marks**

The final mark in BIO A01F is based on term work (e.g. lab reports, quizzes, lab assignments, Formal Lab Report, three term tests (one for each module); the evaluation breakdown is given in the Syllabus under “Course Evaluation”. After the term test (for Module 3), final marks are calculated and submitted to the Department of Biological Science for review. Once approved, the final mark for each student in the course will be released on ROSI/ACORN.

**NOTE:** Final marks are not negotiable and instructors are not permitted to discuss final marks with students. (see Academic Handbook) If students have concerns about their final mark, they should consult the proper procedures to be followed as outlined by the Registrar’s Office:

**<http://www.utoronto.ca/aacc/academic-integrity>**

**NOTE:** There are no options to do special assignments or other work in order to raise a final mark; once **the final mark has been processed and released on ROSI/ACORN , it is the final mark in BIO A01F.**

**Once final marks are posted it is an academic offense to ask for your mark to be changed. (see Academic Handbook)**

## IMPORTANT DATES FOR FALL SEMESTER 2016

Thursday, September 1	Classes begin in F and Y courses. ( <b>Note:</b> Classes are held on this day only for courses that normally meet on a <b>Monday</b> - a makeup day for Labour Day). Classes that meet on Thursdays will start on September 8 <sup>th</sup> .
Monday, September 5	Labour Day → University closed.
Thursday, September 8	Last day for students writing deferred examinations in December to adjust their current course load (only on ROSI/ACORN).
Thursday, September 15	Last day to add F and Y courses.
Monday, October 10	Thanksgiving Day → University closed.
Tuesday, October 11 Saturday, October 15	Reading Week (Note: Classes may be held on other campuses.)
Thursday, November 17	Last day to drop F courses without academic penalty and have them removed from the transcript.
Thursday, November 17	Last day to add or remove the CR/NCR mode of assessment (on ROSI/ACORN) for an F section course. (Note: For details go to <a href="http://gwww.utsc.utoronto.ca/registrar">gwww.utsc.utoronto.ca/registrar</a> )
Thursday, December 1	Last day of classes and last day for submission of term assignments in F courses.
Friday, December 2 Monday, December 3	Study Break.
Friday, December 2 Tuesday, December 20	2016 Summer deferred examinations.
Sunday, December 4	Last day to drop UTSC F courses and have them remain on the transcript with a grade of LWD indicating withdrawal without academic penalty. After this date grades are recorded on transcripts whether course work is completed or not (with a '0' assigned for incomplete work) and they are calculated into GPAs. ( <b>Note:</b> See <a href="http://www.utsc.utoronto.ca/registrar">www.utsc.utoronto.ca/registrar</a> for LWD dates for courses on other campuses.)
Monday, December 5 Tuesday, December 20	Final examinations in F courses.
Wednesday, December 21 - Friday, December 30	December break → University closed.
Friday, February 10	Last day to confirm intention to graduate at the 2017 Spring Convocation.

**PRACTICAL SCHEDULE**

**For the practical schedule on the following page**

<b>WEEK</b>	<b>LAB #</b>	<b>PRACTICALS</b>	<b>DATE (2016)</b>
<b>0</b>	<b>1</b>	<b>All-numbered Practicals</b> (P0001 to P0044), Outdoor Field Trip Circuit	Sept. 2 to Sept. 16 (as instructed in Lecture 1 and posted on blackboard course page)
<b>1</b>	<b>2</b>	<b>Odd-numbered Practicals</b> (e.g. P0001, P0003, P0005 . . .P0041, P0043)	Sept. 12 to Sept. 16
<b>2</b>	<b>2</b>	<b>Even-numbered Practicals</b> (e.g. P0002, P0004, P0006 . . .P0042, P0044)	Sept.19 to Sept. 23
<b>1</b>	<b>3</b>	<b>Odd-numbered Practicals</b> (e.g. P0001, P0003, P0005 . . .P0041, P0043)	Sept. 26 to Sept. 30
<b>2</b>	<b>3</b>	<b>Even-numbered Practicals</b> (e.g. P0002, P0004, P0006 . . .P0042, P0044)	Oct. 3 to Oct. 7
<b>N/A</b>	<b>N/A</b>	<b>Reading Week</b>	Oct. 11 to Oct. 14
<b>1</b>	<b>4</b>	<b>Odd-numbered Practicals</b> (e.g. P0001, P0003, P0005 . . .P0041, P0043)	Oct. 17 to Oct. 21
<b>2</b>	<b>4</b>	<b>Even-numbered Practicals</b> (e.g. P0002, P0004, P0006 . . .P0042, P0044)	Oct. 24 to Oct. 28
<b>1</b>	<b>5</b>	<b>Odd-numbered Practicals</b> (e.g. P0001, P0003, P0005 . . .P0041, P0043)	Oct. 31 to Nov. 4
<b>2</b>	<b>5</b>	<b>Even-numbered Practicals</b> (e.g. P0002, P0004, P0006 . . .P0042, P0044)	Nov. 7 to Nov. 11
<b>1</b>	<b>6</b>	<b>Odd-numbered Practicals</b> (e.g. P0001, P0003, P0005 . . .P0041, P0043)	Nov. 14 to Nov. 18
<b>2</b>	<b>6</b>	<b>Even-numbered Practicals</b> (e.g. P0002, P0004, P0006 . . .P0042, P0044)	Nov. 21 to Nov. 25

**note that lab practicals from P0041 to P0044 are on MONDAYS, see below:**

**P0041 to P0044 are Mondays from 1pm to 4pm**

<b>PRACTICAL</b>	<b>Week</b>	<b>Day</b>	<b>Time</b>	<b>Lab</b>
P0001	1	Tuesday	9am to 12pm	SW-237
P0002	2	Tuesday	9am to 12pm	SW-237
P0003	1	Tuesday	9am to 12pm	SW-240
P0004	2	Tuesday	9am to 12pm	SW-240
P0005	1	Tuesday	12pm to 3pm	SW-237
P0006	2	Tuesday	12pm to 3pm	SW-237
P0007	1	Tuesday	12pm to 3pm	SW-240
P0008	2	Tuesday	12pm to 3pm	SW-240
P0009	1	Tuesday	3pm to 6pm	SW-237
P0010	2	Tuesday	3pm to 6pm	SW-237
P0011	1	Tuesday	3pm to 6pm	SW-240
P0012	2	Tuesday	3pm to 6pm	SW-240
P0013	1	Tuesday	6pm to 9pm	SW-237
P0014	2	Tuesday	6pm to 9pm	SW-237
P0015	1	Tuesday	6pm to 9pm	SW-240
P0016	2	Tuesday	6pm to 9pm	SW-240
P0017	1	Wednesday	10am to 1pm	SW-237
P0018	2	Wednesday	10am to 1pm	SW-237
P0019	1	Wednesday	10am to 1pm	SW-240
P0020	2	Wednesday	10am to 1pm	SW-240
P0021	1	Wednesday	1pm to 4pm	SW-237
P0022	2	Wednesday	1pm to 4pm	SW-237
P0023	1	Wednesday	1pm to 4pm	SW-240
P0024	2	Wednesday	1pm to 4pm	SW-240
P0025	1	Thursday	9am to 12pm	SW-237
P0026	2	Thursday	9am to 12pm	SW-237
P0027	1	Thursday	9am to 12pm	SW-240
P0028	2	Thursday	9am to 12pm	SW-240
P0029	1	Thursday	12pm to 3pm	SW-237
P0030	2	Thursday	12pm to 3pm	SW-237
P0031	1	Thursday	12pm to 3pm	SW-240
P0032	2	Thursday	12pm to 3pm	SW-240
P0033	1	Thursday	3pm to 6pm	SW-237
P0034	2	Thursday	3pm to 6pm	SW-237
P0035	1	Thursday	3pm to 6pm	SW-240
P0036	2	Thursday	3pm to 6pm	SW-240
P0037	1	Thursday	6pm to 9pm	SW-237
P0038	2	Thursday	6pm to 9pm	SW-237
P0039	1	Thursday	6pm to 9pm	SW-240
P0040	2	Thursday	6pm to 9pm	SW-240
P0041	1	Monday	1pm to 4pm	SW-237
P0042	2	Monday	1pm to 4pm	SW-237
P0043	1	Monday	1pm to 4pm	SW-240
P0044	2	Monday	1pm to 4pm	SW-240

## **Important University Policies**

The University of Toronto is dedicated to fostering an academic community in which the learning and scholarship of every member may flourish, with vigilant protection for individual human rights, and a resolute commitment to the principles of equal opportunity, equity and justice.

### **1. Information on Religious Observances**

It is a policy at UTSC to provide special consideration for recognized holy days, which may be observed by our students. Though not all holy days require students to be absent from school, accommodations may still be necessary in some cases. As a student, it is your responsibility to check the due dates for all course work and scheduled dates for tests/exams on a regular basis. Inform the Course/Lab Coordinator of any potential conflicts at least 7 days before to the date of the test or due date of the assignment. Failure to do so may result in special consideration not being granted; documentation may be required.

### **2. Information Regarding AccessAbility Services at UTSC**

Students with diverse learning styles and needs are welcome in this Course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach the Course/Lab Coordinator (Karolyn Keir) or the Instructors in BIO A01F and/or the AccessAbility Services Office as soon as possible. BIO A01F Personnel will work with you and AccessAbility Services to ensure you can achieve your learning goals in this Course. The **UTSC AccessAbility Services Office** is located in **Room SW-302**. Qualified staff is available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. Note all enquiries are confidential. You can contact **AccessAbility Services** at 416-287-7560 or [ability@utsc.utoronto.ca](mailto:ability@utsc.utoronto.ca). The sooner you let us know about your needs, the quicker we can help you get the assistance you need in achieving your learning goals in this Course.

### **3. Information on Academic Integrity/Plagiarism**

Academic integrity is essential to the pursuit of learning and scholarship in a University, and to ensuring that a degree from the University of Toronto is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters outlines the behaviours (see <http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>) that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

#### **(1) in term-work (e.g. papers, reports and assignments):**

- using someone else's ideas or words without appropriate acknowledgement
- submitting your own work in more than one course without the permission of the instructor
- making up sources or facts
- obtaining or providing unauthorized assistance on any assignment

(2) **on tests and exams:**

- using or possessing unauthorized aids
- looking at someone else's answers during an exam or test
- misrepresenting your identity

(3) **in academic work:**

- falsifying institutional documents or grades
- falsifying/altering any documentation required by the University, including (but not limited to) doctor's notes

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your Instructor(s) or from other institutional resources (see <http://www.utoronto.ca/aacc/academic-integrity>).

4. **POSTING OF FINAL COURSE MARK:**

**Once final course marks are posted it is an academic offence to ask anyone involved in the course for your mark to be changed.  
(see Academic Handbook)**