

Department of Biology Course Outline

SC/BIOL 1001 3.0 Biology II – Evolution, Ecology, Biodiversity & Conservation Winter 2022

Course Description

A continuation of Biology I, exploring major unifying concepts and fundamental principles of biology, building on earlier concepts. Topics include mechanisms of evolution, ecology, a survey of biodiversity and conservation biology. **The laboratory and lecture components must be passed independently to pass the course.**

Prerequisites

SC/BIOL 1000 3.00 is **strongly** recommended. Course credit exclusions: SC/BIOL 1010 6.0, SC/BIOL 1410 6.00

General Course Information (format, etc.) & Technology Requirements

COURSE FORMAT:

Lectures:

- **Sections M and P are “in-person”, but will be remote (i.e., online) via Zoom at least until Jan. 31st.** These sections may then switch to in-person depending on University regulations.
 - Some elements of these sections (e.g., quizzes, Questions of the Week, and some office hours) will be online throughout the term.
- **Sections Q and R are remote the entire term. All elements of these sections will be conducted online (via Zoom).**
 - Access to high-speed internet is required for sections Q and R.
- The lectures for ALL sections (M, P, Q, R), are offered SYNCHRONOUSLY. The course is not intended to be taken asynchronously.
 - **All sections will run in Toronto (Eastern) time.**

Labs

- **ALL labs (1 – 6) for all lab sections will be remote.** Please do not worry about the lab section in which you’re enrolled (more information below). Access to high-speed internet is required for all sections.

Land Acknowledgement

York University recognizes that many Indigenous Nations have longstanding relationships with the territories upon which York University campuses are located that precede the establishment of York University. As members of the York community, we acknowledge our presence on the traditional territory of many Indigenous Nations. The area known as Tkaronto has been care taken by the Anishinabek Nation, the Haudenosaunee Confederacy, and the Huron-Wendat. It is now home to many First Nation, Inuit, and Métis communities. We acknowledge the current treaty holders, the Mississaugas of the Credit First Nation. This territory is subject of the Dish with One Spoon Wampum Belt Covenant, an agreement to peaceably share and care for the Great Lakes region. As settlers on this land, and as biologists, we have a responsibility to respect and care for this land and its resources.

Given that this course is remote some of the time is spent away from campus and conducted from your own home. To identify the traditional homelands that you are occupying, use <https://native-land.ca>. Reflect on what this means as you move through these spaces. As part of this reflection process, learn how to [correctly pronounce](#) the names of the Indigenous communities on whose land you reside. A Land Acknowledgement is just one step in the reconciliation process and we encourage you how to reflect you can contribute to that process both in and out of class.

We’ll be using several technologies this term to help us connect and accomplish our goals. To consider the impact and implications of using the tools we do, we should also acknowledge where these tools “reside” in terms of their headquarters. *Zoom* is in San Jose, California, and thus our staying connected relies on resources from Cession 274 territory, part of the traditional territories of the Ohlone, a collective of approximately 50 separate tribes with related languages that have lived in the Bay Area for 10 000 years. All known surviving Indigenous lineages in the Bay Area comprise the current Muwekma Ohlone Tribe. *eClass* is powered by Moodle headquartered in West Perth, Australia. The Whadjuk people of the Noongar nation are

the traditional custodians of this area for more than 45 000 years, and we acknowledge and respect their continuing contributions to the region that includes Perth. *Microsoft*, which connects us through email and slidedecks is in the traditionally occupied land of the Sammamish, Duwamish, Snoqualmie, Suquamish, Muckleshoot, Snohamish, Tulalip, and other coastal Salish people since time immemorial.

Course Statement on Equity, Diversity, and Inclusion

We are committed to providing and encouraging an environment of equity, diversity, and inclusion (EDI) within this course. We designed this course with a commitment to the principles of Universal Design for Learning and evidence-based teaching practices. As instructors who are guided by evidence, we believe that you can all succeed! This class is a community and we—both you and us—are here to learn and succeed together and support each other. We are still in the process of learning about diverse perspectives and identities and inclusionary practices, and we will make mistakes and hopefully correct ourselves.

We need to acknowledge that science is done by humans and thus is subjective, influenced by cultural context, and has often been exclusionary in whose voices were allowed and amplified. This means that there can often be biases in our materials, which we are working to reduce and ultimately eliminate. Our hope is to continue improving this course, integrating diverse scientists and experiences. Please contact us at b1001lec@yorku.ca or let us know through our surveys if you have any suggestions to improve the course in terms of equity, diversity, and inclusion.

YorkU students come from far and wide and represent a diversity of cultures and backgrounds. To support students whose primary language is not English, services are available at York, including individual appointments and group events, such as ESL Café. See: <https://www.yorku.ca/laps/eslclc/> for more information.

Course Instructors and Contact Information

Course Director: Dr. Tamara Kelly

Course Instructors:

Section M: Dr. Tamara Kelly

Section P: Dr. Mark Vicari

Section Q: Dr. Kristen Brochu

Section R: Dr. Birgit Schwarz

Contact email for all Professors*: b1001lec@yorku.ca

- Use this email address for all lecture questions/issues
- Please put your section (M, P, Q, or R) in the subject line.

Student Hours: Please consult your eClass Website for your section's hours

Laboratory Director: Dr. Mark Vicari

Laboratory Coordinator: Melissa Galicia

Laboratory-related email* (all sections): b1001lab@yorku.ca

While we will try to respond to email within 3 working days (not including weekends), this is not always possible. Questions (and answers) that are of interest to the entire class will be posted on the appropriate discussion board or sent via course announcements if urgent. It is your responsibility to ensure you're receiving **and reading** eClass course announcements! Please do **not** use eClass Messenger for contact as it is not used for this course.

Please exercise email etiquette and be professional in your correspondence:

- **Use your @my.yorku.ca email address** – email from other sources is often filtered out.
- **Include your name and student number in your email.**
- **Subject line: include your section** (M, P, Q, or R) and a brief indication of topic "Question about selection")

**Please see policy on email etiquette below in course policy section before sending an email*

Lecture Schedule – All course times, including deadlines are in Eastern (Toronto) time

Lecture Schedule (Eastern/Toronto time)

Section M: Mon./Wed./Fri. 13:30-14:30 ACW 109

Section P: Mon./Wed./Fri. 8:30 - 9:30 LAS A

Section R: Mon./Wed. 17:30-19:00 Online

Section Q: Mon./Wed./Fri. 13:30-14:30 Online

- All sections are remote up to and including Fri. Jan. 21st
- Depending on University regulations, sections M & P may then switch to in-person

Synchronous sessions (live on Zoom): Mon./Wed. (access through Zoom link on eClass page) during your section's lecture times

Q&A (sections M, P, Q): Fri. during your section's lecture time – bring a question you're confused about!

Q&A (section R): during the last 50 min of your section's lecture time on Wed.– bring a question you're confused about!

Evaluation

Quizzes†:	15%	Weekly ; typically released Tuesday & typically due 11:59 pm, Sunday
Question of the Week (QOW)*:	35%	Weekly ; typically released Friday & due 11:59 pm, the following Thursday
Final Take-Home:	20%	Due 11:59 pm, April 10.
Activities^:	10%	Weekly ; includes in-class and out-of-class practice questions, worksheets, discussion boards, online activities, etc.
Laboratory**:	20%	Mandatory , even if repeating the course.

- **Weekly readings and/or recorded lectures that introduce content will be provided ahead of time. You will need to watch these and complete the online quiz prior to the synchronous session.**
- † There will be 11 quizzes; your best 9 of 11 quizzes will count towards this mark. Quizzes will typically have ~ 5 to 15 questions related to the readings and online (pre-recorded) lectures. Quiz points are awarded based on correctness (some exceptions).
- During the synchronous Zoom sessions, we will **apply the knowledge gained from the readings and/or videos (e.g., to case studies), practice problem solving, and address questions.** The synchronous sessions provide a chance for you to interact with your instructor and your peers and get timely feedback on your understanding of the course material. To maintain the proven benefits of interaction and active learning, we highly recommend that you attend the synchronous (live) sessions, but alternative options to submit answers for activity points will be available for those that are unable to join.
 - ^Items in the Activities category are graded only for reasonable participation/completion. You need only complete 70% of the total number of points to earn the full amount (i.e., the lowest 30%, including zeroes, is dropped); less than 70% will be pro-rated. This is to account for the occasional missed activity or technical issues. Activities are typically released Monday and/or Wednesday.
- Near the end of the week, a **'Question of the Week' (QOW)** will be posted. You will need to complete this individually to demonstrate your understanding. QOW are marked for correctness and clarity (i.e., how well your answer is communicated)
- * There will be 9 QOW (we expect the first QOW to be released Jan. 21); your best 7 of 9 QOW assignments will count towards this mark.

**** Both lecture and laboratory components must be passed independently to pass the course.**

The evaluation deadlines for Quizzes, QoW, Activities, and Labs are in keeping with universal design principles, such that the time provided allows for self-accommodation, thus no other accommodation is normally required.

Lab Information

- For ALL inquiries about labs, please email b1001lab@yorku.ca.
- ALL LABS FOR ALL SECTIONS (M, P, Q, & R) WILL BE ONLINE. Please do not worry about the lab section in which you are currently enrolled.
 - Labs (1-6) are what you will complete through the term for the lab component of your grade. This is not the same thing as **lab section** (e.g., M, 03).
 - THE FIRST LAB will be available to work on beginning JAN 10 on the BIOL 1001 eClass site. There are 6 labs: labs, 1, 2, 3, 4, and 6 are asynchronous; lab 5 is synchronous.
 - SEE POSTED LAB SCHEDULE ON THE LAB eCLASS SITE FOR DETAILS ON LAB ASSIGNMENTS AND DEADLINES
- Students must have a **laptop or desktop computer with microphone** for the online labs. If you do not have a computer and are within reach of York University, you may be able to [borrow one](#).
- **Most labs (for all sections) involve SimUText software** by the SimBio company (simbio.com). Please check that you have the system requirements to run this software as it does not work on some devices, including mobile devices and potentially Chromebooks. Please visit <https://simutext.zendesk.com/hc/en-us/categories/200170134-Check-Your-Tech-> to confirm the SimUText application will work on your computer, and/or to explore your options if there is a problem.
 - If you have a Chromebook, contact the SimUText support team to determine if your system supports SimUText.
 - For SimUText technical support, including questions about system requirements, please consult the support team at <https://simutext.zendesk.com>
 - Purchase of the code to access the SimUText labs may be completed either as:
 1. a voucher from the York Bookstore, or
 2. directly from the SimBio company at the time of SimUText registration using a credit card (\$21.60 USD; exchange rate will apply at time of purchase). See the lab eClass site for details.

GRACE DAYS FOR LABS: each SimBio lab can be submitted up to 1 day late without penalty; for other labs, please see the BIOL 1001 Lab eClass website. SimBio labs that are more than one day late will not be accepted. **Always check the lab schedule on the lab eClass for deadline information.** Please note that the deadline listed on the SimUText application may be the final deadline (i.e., includes the grace days), not the initial one!

A Typical Week in BIOL 1001

In setting up this course, we've aimed to create a weekly course structure that will remain the same over the term. That way, with few exceptions, due dates, etc., won't be different for similar assignments.

Broadly, a typical week would usually consist of the following:

- **Pre-class content:** videos, readings etc. (to be completed prior to the start of the week)
- **Online reading quiz** (to be completed prior to the start of the week, typically due 11:59 pm, Sun.)
- **Activities:** two options to complete. *Either*
 - During synchronous zoom sessions during scheduled lecture time slot *or*
 - Asynchronously (instructions on eClass, typically due Fridays, 11:59 pm). **We cannot guarantee that lecture recordings will be available in time for you to benefit from while completing asynchronous activities.** Therefore, synchronous class attendance is strongly recommended.
- **Question of the week (QOW)** (due the following Thursday, 11:59 pm)

Quizzes:

- **Based on the material you are asked to complete prior to the synchronous sessions** – this can be videos, readings etc.
- Most questions are multiple choice and are **marked for correctness** (some exceptions may apply)
- You have two attempts for each quiz and only the higher one counts.
- When we calculate your quiz grade, **the 2 quizzes with the lowest marks, including zeroes, will be dropped.** This accounts for missed quizzes for any reason (including missing the deadline, technological/internet problems, illness, ate registration to course etc.) and means additional exemptions/extensions will not be granted.
- Because quizzes ensure you are prepared for the coming week's activities, they cannot be submitted late, therefore grace days can **NOT** be applied to quizzes and late quizzes will not receive any marks.

Activities:

- Activities may include clicker questions, worksheets, minute papers/reflection questions (both in-class and online), as well as surveys etc. These are opportunities to determine or reflect on what you know such that it can guide you in your studying and seeking help when necessary.
- **Will be marked for participation:** i.e., no penalty for submitting an incorrect answer, but **to receive participation points you must make a reasonable effort at answering all questions. For collaborative team submissions you must have made substantial contributions.** Deductions or no points may be given if little effort was made (e.g., missing answers to some questions)
- Additional activities, e.g., reflections may be posted from time to time.
- When the activities grade is calculated, **we will drop 30% of points (i.e., you must reach only 70% to get the full activity points).** This is to account for missed activities for any reason, including missing the deadline, technological/internet problems, illness etc. Thus, additional exemptions/extensions cannot be granted, as participation is a crucial component of this course.

QOW (submitted through Crowdmark and Turnitin):

- These are **short-answer questions**, and you will have approximately 6 days to answer these. You can answer these based on your pre-class prep and learning and activities during synchronous sessions.
- **Open book, but not open internet** (all that you need to know is in the course materials – notes, textbook, eClass, any readings, videos, etc.). The answers **MUST be in your own words, you cannot copy anything from anyone else, nor from the internet, textbooks, or course slides.** Remember this is an individual assessment! Your answers must be based on what you learned in this course during this term; you are not permitted to search for answers on the internet.
- No electronic file-sharing: **you are not permitted to show your answers to anyone or post them anywhere** (doing so is considered aiding and abetting and a **breach of academic honesty**)
- If you have discussed the questions with other people from the course (e.g., in your study group) you **MUST** note their names in your submission (but remember not to copy from each other).
- When calculating your QOW grade, the 2 questions with the lowest points, including zeroes (i.e., you can miss 2 QOWs without penalty) will be dropped.
- Grace days apply to QOWs (see course policy section)

Labs:

- **All labs will be conducted online.** See posted lab schedule on the lab eClass site for details on synchronous sessions and deadlines.
- Grace days for labs: see Lab Information section above.
- Even if you have taken this course previously you **MUST** complete the labs again. You also cannot submit a lab report that you have previously submitted, you need to write a new one.

A NOTE ON ACADEMIC INTEGRITY:

- **Electronic file-sharing is not permitted.** Use of services (e.g., essay writing/editing or file-sharing websites or private services) that complete your assignments for you or provide “model answers” is strictly forbidden. See the Course Policies section below for details.

This course has a considerable amount of buffer built into this course. For that reason, modifications to the grading scheme will not be considered.

Note: While we try to avoid this as much as possible, final course grades may be adjusted to conform to Program or Faculty policies for grades distribution profiles.

Important Dates

- **Classes start:** Monday Jan. 10
- **First lab will be available:** Monday Jan. 10, on the BIOL 1001 Lab eClass site
- **Winter Reading Week:** Feb. 21 – 25
- **Last Day to drop course without receiving a grade:** Mar. 18
- **Course Withdrawal Period (withdraw and receive a grade of “W” on transcript):** Mar. 19 – Apr. 10
- **Final Take-Home Assessment due by:** 11:59 pm, Apr. 10

For additional important dates such as holidays, refer to the [“Important Dates”](#) section of the Registrar’s Website.

Resources

All BIOL 1001 course material is copyrighted. **Copying this material for distribution (e.g., uploading material to a commercial third-party website) is a violation of Copyright law. You do NOT have the right to post course materials anywhere or share them with anyone outside of this course.** This includes all recordings.

Textbook (required) (same one as for BIOL 1000):

There are several different versions of the **required text (you need only one) which you can rent or buy:**

- BIOL 1000/1001 Custom text for York University (based on 3rd Cdn edition, Pearson) (jellyfish cover).

OR

- Freeman *et al.* 2018. BIOL1001 **Custom edition** of ‘Biological Sciences’, 3rd Cdn edition, Pearson (forest stream cover)

OR

- Freeman *et al.* 2018. ‘Biological Sciences’, 3rd Cdn edition, Pearson (full book; bird on cover) **OR** the eText version of the full book.

Please note that all textbook versions are based on the 3rd **CANADIAN** edition of the book. Other readings may be assigned during the course and will be made available to students.

Simbio (required)

- BIOL 1001 Winter 2022 SimBio activation key for 4 online labs. Activation key can be purchased online directly from SimBio using a credit card or you can purchase a voucher from the York University bookstore (see the lab eClass site for more details).

Clicker (personal response system) – FREE (do not purchase!) – Sections M & P

- If sections M & P do occur in-person, you will need to register with iClicker to receive marks for in-person class activities.

Course eClass Sites (<https://eclass.yorku.ca>)

- This course has two eClass sites – one for lecture and one for lab.
- **Lecture eClass site (section-specific):** course information (e.g., lecture slides, quizzes). Visit often for updates.
- **Lab eClass site:** lab component information, including additional lab materials and quizzes. Visit often for updates.

Learning Outcomes (LOs)

- LOs form the foundation of this course – they’re what we expect you to be able to do by the end of the course. All assigned work (videos, readings, activities, etc.) are based on these, so it’s wise to refer to them repeatedly throughout

the course. Some LOs you'll be able to do simply by completing the pre-class work (videos/readings), however the majority of the LOs will be covered through a combination of the pre-class work and the synchronous and asynchronous activities.

Us (Your instructors)!

- Our role as instructors is to provide you with multiple learning opportunities in an environment that challenges you, encourages you to ask questions, and engage in scientific thinking such that you can succeed in achieving the course LOs.
- We have several student hours per week, including the Q&A sessions.
- **We're all in this together**, and there's no ranking in this course – that means this class is collaborative, not competitive. In class, on eClass, and in labs, you'll work with your peers, asking questions, explaining reasoning, and receiving feedback. From the literature on science education, we know that students can learn a lot from each other, in addition to the help they get from their instructors. **We want this to be a strong, supportive, learning community for everyone.**
- We recommend downloading Office so you can use Word and Excel (freely available to students, see: <https://uit.yorku.ca/faculty-staff-services/free-microsoft-office-365-education-software/>)
- Other software that may be needed/useful in the course (e.g., PDF X-change PRO) is available for free for PCs through myApps: <https://uit.yorku.ca/student-services/computer-labs/myapps/#sqelch-taas-tab-content-0-0>

Course Learning Outcomes (topic-specific learning outcomes available on eClass)

Upon successful completion of this course, students will be able to:

- Apply and build upon concepts, including learning strategies, from BIOL 1000 to BIOL 1001 topics.
- Use the process of scientific inquiry to develop hypotheses, make predictions, evaluate evidence, and make effective decisions/written arguments about real-world biological issues.
- Explain the multiple lines of evidence for evolution, to peers and/or a general audience.
- Apply knowledge of evolutionary mechanisms and basic genetics to explain accurately the common ancestry and diversity of life on Earth, how populations change over time, and how new species arise.
- Construct a phylogenetic tree to accurately represent evolutionary relationships between organisms.
- Synthesize knowledge about evolutionary mechanisms and ecological concepts to produce a well-reasoned solution to an ecological problem.

Course Content

In this course, you are introduced to biological terminology and major concepts that underlie this field and continue to develop a foundation for further courses/work in biology and related areas. While the scope of material in this course is very broad, **students are encouraged to consider common threads and themes** that extend across the various topics, including those presented in BIOL 1000. This course is intended to help develop scientific literacy and critical thinking skills required of citizens in modern society.

Introductory survey courses often seem to be composed of a huge set of known, static facts, but the science of Biology (and other areas) is **dynamic, questioning, and continually changing over time**. In science, we are constantly challenging existing hypotheses and models through experimentation as new observations are made. Our role as instructors is to provide you with multiple learning opportunities in an environment that challenges you, and to encourage you to ask questions. Thus, you should feel comfortable asking questions in the course. We may not always be able to answer your questions, but we can usually help you find out more. Asking questions is an important skill in science (and it's always good to practise!). We also encourage you to seek answers to your questions on your own—another important skill to practise! **You are expected to complete the required readings and online work prior to class time. As in all courses, students are expected to spend time beyond the regular course hours in preparation, review, studying, etc., related to the course.**

Lecture Topics include:

- | | | |
|---|---------------------------|------------------------|
| - Nature of Science | - Macroevolution | - Ecology |
| - Mechanisms of Evolution
(incorporates genetics from BIOL 1000) | - Phylogenetics | - Conservation Biology |
| | - Human Evolution Ecology | |

The **lab** is a key part of this course, as experimentation, observations and communication of biological phenomena are important aspects of doing, and understanding, science. As well, the lab simulations help support your learning and understanding of lecture concepts.

Experiential Education and E-Learning

E-Learning: This course employs a “flipped” approach, in that you do the basics of reading and watching videos on foundational concepts outside of class (available on eClass), take a short quiz (on eClass), and then in class we practice, figure out where you’re struggling, and work in small groups or as a whole class to develop a better understanding of challenging concepts.

Experiential Education: You will gain hands-on skill development in analytical thinking, teamwork and communicating what you know. You’ll also be asked to reflect on your learning.

Course Policies

We know that this part might seem really boring, but it’s VERY important that you read it ahead of time so that you are familiar with policies now rather than after the fact.

1. E-MAIL ETIQUETTE:

Meant to help foster respectful and efficient correspondence, which ultimately benefits everyone!

- Email b1001lec@yorku.ca to contact your professor; for the Lab Director/Coordinator email b1001lab@yorku.ca
- Please use the following to guide you in emailing instructors and TAs!
 - **Use your YorkU email address** (other email addresses are often filtered out by the university server).
 - Do **not** use the eClass emailing/message system – these messages will not reach us.
 - **In the subject line, put your course section (M, P, Q, or R)** – all instructors share one email address, and this helps us to sort emails efficiently
 - **Include your NAME at the end of each email.** It helps us know which name you’d like to be addressed by.
 - Also **include your full name and student ID number.**
 - Please write in a professional manner (i.e., not text message language) – we’re old and might miss your point.
 - **Please allow 48 hours (2 workdays, not including weekends) for a response.**
- Before emailing your instructor, **consider the nature of your question and whether another resource should be consulted first.** For example, lab-related queries should be directed to the Lab Director/Coordinator/TA. **Don’t be surprised if you don’t receive a response to a question that could be easily answered by looking at the Course Outline or the eClass site.**
 - If you have questions about course topics, please post them in the eClass lecture forum or ask during synchronous sessions as many other students may have the same or a similar question.

2. ACADEMIC INTEGRITY:

- Students are expected to be familiar with and follow [York University’s policies regarding academic integrity](#). Please consult the Lab eClass site and <https://spark.library.yorku.ca/academic-integrity-what-is-academic-integrity/> and <https://spark.library.yorku.ca/creating-bibliographies-plagiarism/> for more details.
- **Electronic file-sharing is not permitted.** Some exceptions, such as for sharing within your team for the purpose of completing assignments or activities specifically designated to be collaborative or for sharing your own notes from synchronous sessions with students currently enrolled in the course who missed the session. Outside of that electronic sharing of files (e.g., lab reports, assignments, exam questions) is not permitted. If you are unsure whether sharing is ok in your circumstance check with us before sharing.
- **You cannot post or share assessment questions or answers anywhere.** Doing so is considered aiding and abetting and a *breach of academic honesty*.
- **Use of services (e.g., essay writing/editing or file-sharing websites, private tutoring companies or private services) that complete your assignments for you or provide “model answers” is not permitted.** Some private tutoring companies claim an affiliation with York University, but this is not true. There are serious consequences for individuals involved in breaches of copyright and/or academic honesty. See the official York University statement by the Provost and Vice-President Academic <https://vpap.info.yorku.ca/2020/07/statement-regarding-private-tutoring-companies-that-claim-an-affiliation-with-york-university/>
- **Your work must be your own:** lab reports and answers to assessment questions MUST be in your own words. You cannot copy anything from anyone else (e.g., a friend, the internet, textbook, course slides). Copying a sentence, paragraph, or more and then just changing a few words is still considered plagiarism. Head to the Spark Academic Integrity site if you need a reminder of what is okay/not okay: <https://spark.library.yorku.ca/academic-integrity-what-is-academic-integrity/>.
- If you have discussed an assessment question with other people from the course (e.g., in your study group), you should a) **ensure that you are not copying from each other** and b) **MUST note their names in the submission.**

3. COPYRIGHT AND INTELLECTUAL PROPERTY

- Images and materials presented in the course are subject to Canadian copyright law.
- Lectures and other course materials are designed for SC/BIOL 1001 3.0 at York University only and are the intellectual property of the instructor. They cannot be distributed without explicit written permission. ALL course materials (e.g., quizzes, slides, videos, synchronous class recordings, QOW) are copyrighted. You do NOT have the right to post course materials anywhere or share them with anyone outside of this course.
- Please remember to also be respectful of each other's and instructor/TA privacy and not share any conversations, recordings etc., outside of this course.
- Third party copyrighted materials (such as book chapters and articles) have either been licensed for use in this course or fall under an exception or limitation in Canadian Copyright law or permission for their use in this course has been obtained from the copyright holder.
- Copying any of this material for distribution (e.g., uploading material to a commercial third-party website) is a violation of Copyright law and may lead to a charge of misconduct under [York's Code of Student Rights and Responsibilities](#) and the [Senate Policy on Academic Honesty](#) and/or legal consequences if copyright law has been violated.

4. MISSED ASSESSMENTS/COURSE WORK:

- In designing BIOL 1001, we have built-in considerable flexibility to accommodate a multitude of different circumstances—including illness, accidentally missing a deadline, technical difficulties, late course registration, etc.—to give everyone a chance to complete the course successfully. For example, you normally have several days to complete quizzes, labs, QOW, etc., and most course components allow you to miss the occasional assessment without penalty and/or provide grace days for the occasional lab submission. As such, **there should be no need for additional exceptions (including for illness) and therefore we will not normally provide these.**
- Visit the BIOL 1001 Lab eClass site for lab policies.
- **If you miss the FINAL TAKE-HOME, within one week of the final assessment you must:**
 - a. Email us at b1001lec@yorku.ca attaching a [completed Deferred Standing Agreement \(DSA\)](#)
 - b. [Petition](#) your home faculty for [deferred standing](#). It is the Petition Committee's decision whether deferred standing is granted; if it is, the committee will set the deadline for writing the deferred final take-home. Denied petitions will result in a zero on the final take-home. The format of the make-up final exam can differ from the original final exam format.

5. ACTIVITIES (in-class and online):

- If you are in the (hopefully) in-person sections (M and P), you must register for iClicker (REEF) to receive marks for the clicker questions. **You must use your own iClicker account. Use of an account not registered to you is considered a breach of Academic Honesty & will be reported.**
- Questions (including clicker questions), worksheet, & discussion marks are gained based on participation. Because the nature of this clicker/worksheet/etc. marking scheme considers missed classes and technical glitches (by dropping the lowest 30%), doctor's notes, etc., will **NOT** be accepted for missed classes.
- Activities for each week are worth ~10 points and you must complete the majority of questions to earn the full marks (e.g., for clickers you must complete 75% of the questions to get the day's 5 points). **Take a deep breath; missing one class is unlikely to affect your grade.**

6. ACCOMMODATIONS:

- We've designed the course, including evaluation due dates, according to the principles of universal design for learning (UDL) that address many accommodations and allow for self-accommodation.
- **Quizzes can be completed at any point during the multiple-day period during which they're open but do have a time-limit once started. In keeping with UDL principles, the time limit for quizzes already includes, at minimum, an additional 100% time on top of the longest time normally needed to complete the quizzes.** Thus, no other accommodation is normally required.
- **Although this course is designed to allow for self-accommodation, you may have accommodations other than this.** Please bring these to our attention!
- **Please ensure your course instructor (biol1001lec@yorku.ca) (and lab coordinator, b1001lab@yorku.ca, if labs are affected) is aware of any [religious observance conflicts](#) at least 3 weeks in advance of the conflict.**
- If you feel there are extenuating circumstances that may interfere with your ability to successfully complete the course requirements, we encourage you to discuss the matter with your course instructor **as soon as possible.**
- **Please note:** "Senate policy states that students are expected to monitor their progress in courses, taking into account their personal and academic circumstances, and to make the necessary adjustments to their workload to meet the

requirements and deadlines." – Senate Policy of Students' Responsibilities in the Petition/Appeal Processes. **The drop deadline is March 18, 2022.**

- Students who require reasonable accommodations in resources or evaluation methods are encouraged to consult with the [Student Accessibility Services](#) & ensure that requests for appropriate accommodations are arranged with the me early in the term.

7. PRE-CLASS PREPARATION QUIZZES:

- Quizzes will occur approximately weekly and will be based on readings and/or pre-recorded video lectures to prepare you for the upcoming week's synchronous sessions, however, some review questions may be included.
- Marks are awarded for quizzes based on a correct answer (some exceptions may apply).
- You have a limited amount of time in which to complete the quiz. If you are completing a quiz when the deadline passes, you will receive no marks for that quiz.
- Because of the marking scheme your best 9 quizzes will count towards your quiz grade; thus documentation, etc., will not be considered. **Missing one quiz (even beyond the dropped two) is unlikely to have a large impact on your grade!** Students encountering longer-term medical issues (e.g., in the hospital for greater than a few days) should contact their section instructor as soon as possible.
- If you are having issues with a quiz (can't see questions), please check your browser settings (particularly if you have done a software update). Check out: https://lthelp.yorku.ca/accessing-eclass/recommended-browser-settings?from_search=78573000 for more information.

8. REGRADING/MARK CALCULATION ERRORS and GRACE DAYS:

- To be fair and consistent regarding the entire class, **individual grades are NOT negotiable and individual 'extra credit' assignments are not available during or after the course.**
- **Contact your section instructor about marks ONLY if there is a clear error in your mark (calculation, clerical, etc.) within two weeks of the grade being made available to you.** It is highly unlikely that you will receive a response regarding any other mark-related queries.
- If you think an assignment was marked incorrectly, you must submit to your course instructor a written statement detailing your rationale (based on academic grounds*), using the appropriate form posted on eClass within 2 weeks of receiving your grade for the assessment in question.
 - **Please avoid inflammatory language in your rationale.** We are humans and make mistakes just like everyone else.
 - Emails about regrades will not receive a response, please use the form on eClass.
 - Requests that are not based on academic grounds* or are beyond the two-week limit will not receive a regrade or response.
 - **NOTE: re-marking can result in the mark being raised, confirmed, or lowered.**
- **GRACE DAYS:** We understand that life happens, can make it difficult to complete things on time. As such we are offering a **maximum of three (3) grace days for up to three (3) QOW. The following rules apply for grace days:**
 - You cannot use these for labs (labs already have a grace period for each lab). Visit the BIOL 1001 Lab eClass site for more information on lab policies and lab grace periods.
 - You can use grace days **only** for QOW.
 - **Grace days will automatically be applied. Please don't email to ask permission to use them.**
 - It is your responsibility to keep track of how many QOW or activities you've used grace days for.
 - If you do not use the entire 3 days for one late assignment (e.g., you submit only one day late), you **cannot** transfer the remaining days to other late assignments. In sum, you can submit a maximum of 3 assessments late and none of these more than 3 days late.
 - **3 days = 3 calendar days. If you submit 1 hour late, it still counts as 1 day. Each day in a weekend counts as 1 day each.**
 - Once your grace days are used up, any further late submissions will not be accepted (i.e., will earn a grade of 0).

9. BIOL 1001 CODE OF CONDUCT:

- We encourage you to participate actively in the course and engage with your peers, course instructor, and TAs! We expect you to keep your interactions/discussions polite and respectful.
 - First and foremost, please remember that in all online interactions, it's a human being your messages/emails/etc. are going to!
 - Please be respectful and professional: we provide space for you to discuss course materials with your classmates. Posts in Zoom/discussion forums/etc. containing personal insults/attacks/intimidation/inappropriate

language/profanity will be removed. **Everyone** has a right to be in this course, to feel welcome, and to be treated with respect.

- Please post only material relevant to BIOL 1001. Other posts are likely to be deleted. Exceptions apply to forums specifically dedicated to socializing.
 - Be kind, even when someone has made a mistake. If you want to give feedback, do so nicely and constructively.
 - While it is appropriate to engage in debate/discourse on biological topics, such discussions should be respectful and evidence based. Evidence should be from trusted sources—consult with the library or your instructor if you are not sure. (See: <http://www.yorku.ca/webclass/module4a.html>)
 - Any posts that appear to violate our code of conduct may be edited, hidden, or deleted at the discretion of instructors/moderators. If posts appear to violate academic honesty or the [York University Student Code of Conduct](#) further action will be taken.
 - If you notice any inappropriate threads, please contact your course section instructor.
 - You cannot share any materials from the course outside the course without explicit, written permission; this includes posts or work by your peers.
- **Disclaimer: While we will attempt to remove/edit objectionable/inappropriate material as quickly as possible, it is not always possible to review every post in a timely manner. Forum posts express the views and opinions of the post's author and not the moderators/instructors (except for posts by these people) and they cannot be held liable.**

10. LAB POLICIES & FORMAT:

- Students must follow lab policies outlined on the Lab eClass site and those discussed above. Students are expected to read these policies.
- Check the lab schedule on the BIOL 1001 Lab eClass site for deadlines (use the lab schedule, **not** the SimUText site). Start your labs early to ensure you can get help if needed!
- As indicated earlier in the course outline, most labs are asynchronous (TAs are available for help during certain times); there will be only one synchronous lab.

11. TURNITIN.COM:

- In this course, you will be asked to submit your answers to some assessments (e.g., QOW, some labs) to Turnitin.com (likely through the eClass site). This will ensure that your hard work, once added to the database, cannot be plagiarized in the future by students at any university.
- Check the lab schedule on the BIOL 1001 Lab eClass site for deadlines (use the lab schedule, **not** the SimUText site). Start your labs early to ensure you can get help if needed!
- As indicated earlier in the course outline, most labs are asynchronous (TAs are available for help during certain times); there will be only one synchronous lab.

12. RECORDING LECTURES:

- **Each section instructor will record their lectures but be aware that technical issues do arise** (or we might forget as we're human) and that there may be a lag time of several days before these can be posted. These recordings are allowed **ONLY** as a personal study aid and are **NOT** allowed to be sold, passed onto others, or posted elsewhere online. **Lectures are the intellectual property of the professor & cannot be distributed without permission.**
- If your professor doesn't record lectures, you must ask your instructor if audio recordings are permitted in their classroom. If allowed, audio recordings are permitted provided they are used **ONLY** as a personal study aid, and are **NOT** sold, passed on to others, or posted online. Lectures are the intellectual property of the professor and cannot be distributed without permission.

ZERO TOLERANCE POLICY FOR ONLINE OR IN-PERSON VERBAL ABUSE OR HARASSMENT

All students at York are governed by York's Code of Student Rights and Responsibilities (<https://oscr.students.yorku.ca/student-conduct>). This code allows all students the right to pursue all academic activities without "harassment, intimidation, discrimination (or) disruption."

In addition, students also have the responsibility to obey all public laws and cannot disrupt or interfere with the academic activity of others. This includes this Zoom class and all other online forums for this course. Students who engage in any type of online abuse (e.g., threats, harassment, inappropriate behaviours, and racist and/or sexist language) against their instructor and/or other students may be subject to punishment under York's Code of Conduct, the rules of the appropriate Department/Faculty, Ontario Laws and/or the Canadian Human Rights Code as required.

Please note that it doesn't matter if you decide to drop a class after engaging in inappropriate behavior. All incidents will be investigated regardless of student standing in a course.

***Academic grounds means you make an academic argument for why your answer is correct – statements such as “this grade does not reflect my knowledge” or “I really studied hard and I deserve a better grade” are not academic grounds.**

University Policies

Academic Honesty and Integrity

York students are required to maintain the highest standards of academic honesty and they are subject to the Senate Policy on Academic Honesty (<https://www.yorku.ca/secretariat/policies/policies/academic-honesty-senate-policy-on/>). The Policy affirms the responsibility of faculty members to foster acceptable standards of academic conduct and of the student to abide by such standards.

There is also an academic integrity website with comprehensive information about academic honesty and how to find resources at York to help improve students’ research and writing skills, and cope with University life. Students are expected to review the materials on the Academic Integrity website at: <http://www.yorku.ca/academicintegrity/>.

Important note from the Faculty of Science Committee on Examinations & Academic Standards:

Numerous students in Faculty of Science courses have been charged with academic misconduct when materials they uploaded to third party repository sites (e.g., Course Hero, One Class) were taken and used by unknown students in later offerings of the course. The Faculty’s Committee on Examinations and Academic Standards (CEAS) found in these cases that the burden of proof in a charge of aiding and abetting had been met, since the uploading students had been found in all cases to be willfully blind to the reasonable likelihood of supporting plagiarism in this manner. To avoid this risk, students are urged not to upload their work to these sites. Whenever a student submits work obtained through a third-party repository site, the submitting student will be charged with plagiarism and **the uploading student will be charged with aiding and abetting.**

Note that exams, tests, and other assignments are the copyrighted works of the professor assigning them, whether copyright is overtly claimed or not (i.e., whether the © is used or not). Scanning these documents constitutes copying, which is a breach of Canadian copyright law, and the breach is aggravated when scans are shared or uploaded to third party repository sites.

Accessibility

York University is committed to principles of respect, inclusion, and equality of all persons with disabilities across campus. The University provides services for students with disabilities (including physical, medical, learning and psychiatric disabilities) needing accommodation related to teaching and evaluation methods/materials. These services are made available to students in all Faculties and programs at York University.

Students in need of these services are asked to register with Student Accessibility Services (<https://accessibility.students.yorku.ca/>) as early as possible to ensure that appropriate academic accommodation can be provided with advance notice. You are encouraged to schedule a time early in the term to meet with each professor to discuss your accommodation needs. Please note that registering with disabilities services and discussing your needs with your professors is necessary to avoid any impediment to receiving the necessary academic accommodations to meet your needs.

Additional information is available at the following websites:

Student Counselling, Health & Well-being - <https://counselling.students.yorku.ca/>

York Accessibility Hub - <http://accessibilityhub.info.yorku.ca/>

Religious Observance Accommodation

York University is committed to respecting the religious beliefs and practices of all members of the community and making accommodations for observances of special significance to adherents. Should any of the dates specified in this syllabus for an in-class test or examination pose such a conflict for you, contact the Course Director within the first three weeks of class. Similarly, should an assignment to be completed in a lab, practicum placement, workshop, etc., scheduled later in the term pose such a conflict, contact the Course director immediately.

Student and Instructor Conduct in Academic Situations

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect. Moreover, it is the responsibility of the instructor to maintain an appropriate academic atmosphere in the classroom and other academic settings, and the responsibility of the student to cooperate in that endeavour. Further, the instructor is the best person to decide, in the first instance, whether such an atmosphere is present in the class. The policy and procedures governing disruptive and/or harassing behaviour by students in academic situations is available at <http://secretariat-policies.info.yorku.ca/policies/disruptive-and-or-harassing-behaviour-in-academic-situations-senate-policy/>

Student Notice of Recording for Remote Teaching and Learning

Activities for this course involve recording, in partial fulfillment of the course learning outcomes. Images, audio, text/chat messaging that have been recorded may be used and/or made available by the University to students enrolled in the course

and those supporting the course for the purpose of materials review, for assessment, etc. Recordings will be managed according to the University's Common Record Schedule and will be securely destroyed when no longer needed by the University. Your personal information is protected in accordance with the York University's Policy on Access of Information and Protection of Privacy and the Freedom of Information and Protection of Privacy Act.

The University will use reasonable means to protect the security and confidentiality of the recorded information but cannot provide a guarantee of such due to factors beyond the University's control, such as recordings being forwarded, copied, intercepted, circulated, disclosed, or stored without the University's knowledge or permission, or the introduction of malware into computer system which could potentially damage or disrupt the computer, networks, and security settings. The University is not responsible for connectivity/technical difficulties or loss of data associated with your hardware, software, or Internet connection.

By engaging in course activities that involve recording, you are consenting to the use of your appearance, image, text/chat messaging, and voice and/or likeness in the manner and under the conditions specified herein. In the case of a live stream recording, if you choose not to have your image or audio recorded, you may disable the audio and video functionality. If you choose to participate using a pseudonym instead of your real name you must disclose the pseudonym to your instructor in advance to facilitate class participation.

You are not permitted to disclose the link to/URL of an event or an event session recording or copies of recording to anyone, or any reason. Recordings are available only to authorized individuals who have been directly provided the above instructions/link for their use. Recordings for personal use, required to facilitate your learning and preparation of personal course/lecture notes, should not be shared with others without the permission of the instructor or event coordinator. More information about accessibility can be obtained from [Student Accessibility Services](#).

We wish you great success in BIOL 1001! If you need any help, please contact the appropriate individual.