

Division of Natural Science

<http://natsci.info.yorku.ca/>

Course Outline

NATS 1675, Section B
Human Development
Fall/Winter, 2018-19
FULLY ONLINE

Course Instructor and Contact Information

Jill Lazenby, Ph.D.

Assistant Lecturer, Department of Science and Technology Studies

Norman Bethune College, Room 226A

Phone: 416-736-2100 ext. 20466 (no voicemail – leave message by email)

Drop-in office/phone drop-in hours Sept.- May (no appointment needed): Tuesdays 10:30-12

Other office/phone appointments: set up by email – nats1675@yorku.ca

Course website: [Moodle - https://moodle.yorku.ca](https://moodle.yorku.ca)

Communications:

Instructor announcements: **Moodle – Course Announcements forum**

- Instructor postings only

General course questions: **Moodle – Student Question and Answer forum**

- Response time = normally within 24 hours
- Instructor, students and TAs can view and respond to all posts

Personal issues and concerns: Email: nats1675@yorku.ca

Email Guidelines:

- Use your **@my.yorku.ca** account (email with other accounts may be filtered)
- Allow up to 4 business days for a response – resend email after 4 days
- Use for personal issues, (ex. Illness or personal situation, requests for in-person help, alternate exams issues) – use Moodle Q and A forum for general course questions
- Provide a descriptive subject header (ex. “Missing test due to illness”)
- Be polite and professional
- Write in clear, complete sentences without using slang, or text lingo
- Sign off with your **first and last name**, and a **phone number** where you can be reached (optional but preferred)

Course Description

This course focuses on the biological development of the human, from the formation of germ cells, and fertilization, through embryological and fetal development and growth, to birth, childhood development, puberty and aging. Topics include some of the cellular and molecular

features of development, patterns of inheritance, and the role of the digestive, endocrine and circulatory systems. Related issues in medical biotechnology and ethics will also be explored.

Course Credit Exclusions: You will not be able to take this course for credit if you have previously taken SC/NATS 1610 6.00, SC/NATS 1650 6.00, SC/NATS 1660 6.00, SC/NATS 1690 6.0

NCR note: You will not be able to take this course for credit if you have passed, or are currently taking, SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 or SC/BIOL 1010 6.00.

Course Learning Outcomes

Upon successful completion of this course students should be able to:

- Describe some aspects of the development of the physical human being from fertilization through embryo development, fetal growth, childhood, adolescence and aging
- Consider the role of science in our current understanding of human development, growth, and aging
- Use some of the fundamental concepts in the molecular and cellular views of the human body and its functions, to describe a sample of conditions of health and disease
- Use a Punnett square to determine the probability of inheritance of a selection of traits
- Relate the inheritance of genes and chromosomes to a sample of developmental conditions.
- Discuss some ethical issues relating to human development and biotechnology
- Obtain recent popular and scholarly sources on research topics in human development and reproductive biology, using York's library system.
- Present researched information in an annotated bibliography and short paper using APA format.

Evaluation

- 2 On-Campus Saturday Tests at 15% each = 30 % (both tests must be written to complete this course)
- 1 Final Exam at 25% (must be written to complete the course)
- 1 Annotated Bibliography = 10%
- 1 Term Project = 15%
- 10 Online Quizzes = 20% (drop lowest 2)
- Weekly LearnSmart online reading quizzes (drop lowest 2) = 5%

Statement on grades and extra credit assignments:

In order to be fair and consistent to the entire class, individual grades are not negotiable and "extra credit" assignments are not provided at any point during or after the course. Please contact the instructor about a grade **only** if there is a clear error (calculation, clerical, etc.) **within two weeks** of the grade being made available to you.

Course Materials

McGraw-Hill Connect – York Bookstore special access package (1 year deal - \$99)

- Access to e-book of Mader, *Human Biology*, 15th edition
- Access to LearnSmart reading assignments
- Purchase your eBook Access Code through York University Bookstore, either online (http://www.bookstore.yorku.ca/sell_access_codes.asp?) or by picking up a flyer in person. If you purchase online, your code will be emailed to you after the transaction clears.
- DO NOT purchase through the publisher (you will not get the Bookstore 1-year access deal) \$99

Additional supplementary eResources available on Moodle course page

Laboratory/Tutorial

This course does not have a laboratory or tutorial component.

Course Content and Format

Weekly Lectures and Activities:

- Slides and lecture recordings posted every Monday morning on Moodle
- Each week has its own box on Moodle, indicated by the date for each Monday
- Activities for the week will be indicated in each week's box.

Course Communications and Information:

- See box of this name on Moodle
- Course announcements forum (Instructor postings only) – check for updates
- Student question and answer forum (all students and course staff can post/respond)
- Course outline, Attending Physicians Statement, link to Deferred Standing form, etc.

2 Midterm tests and Final Exam:

- Written on campus (if you are unable to come to campus, contact Jill Lazenby)
- Midterms will be on Saturdays
- Final exam will be during the April exam period (cumulative)

Assignments:

- “LearnSmart” reading quizzes weekly (through McGraw Hill Connect site)
- Online quizzes posted in weekly boxes, in the week they are due
- Annotated Bibliography and Term Project box - instructions for term assignments, related video recordings, grading rubric, and helpful links

Math Content

Basic concepts as covered in Ontario Grade 10 Math.

Course Policies

1. Conduct online

Students and course staff are expected to behave in a courteous and professional manner in all course activities, and to help create a supportive online environment that promotes academic integrity, learning, and community. Here are some guidelines for conduct:

- All Moodle posts and course emails should be in complete, grammatical sentences, to prevent misunderstandings.
- All posts and emails should contain a descriptive subject heading, to allow others to quickly find information they might need.
- Include relevant attachments (ex. Documentation such as APS if you are sick)

2. Conduct during quizzes, tests and the final exam

- Online quizzes are NOT collaborations, and are NOT open-book. Please preserve academic integrity and complete quizzes by yourself, without looking at your notes or book. You will derive the most benefit on your midterm and exam grades by observing academic honesty in your quizzes (see our lecture discussion on retrieval practice).
- **Cell phones must be turned off during the midterms and final exam, and placed in your closed bag on the floor, or on the floor under your seat.** If you are found with a cell phone on your person at any time during a test, the matter will be referred to the Division of Natural Sciences for an Academic Integrity hearing.
- There are **no aids** for the midterm and exam. You may only have a pencil, pen, student ID and drink on your workspace.

3. Communication in the course

Please use the designated Q&A Moodle forum to ask questions about the course. You are encouraged to respond to other students' forum questions if you know the answer. If you have a question of a personal nature, please contact the course director by email or phone (see p. 1).

Instructor announcements will be posted on the **Course Announcements** forum in the Communications and Information box on Moodle. These announcements will also go to the email associated with your Moodle account. It is recommended that you use your @my.yorku.ca email as the email account associated with your Moodle Profile - clicking on your name at top right when you are logged in to Moodle, and then "Profile" followed by "Edit Profile" to see where your course announcements will be sent. Please also upload a recent picture to your profile and add a few words about yourself in the description box, to facilitate our online communication.

4. Email Policy and Office Hours

The course email address is **nats1675@yorku.ca**. It is recommended that you use your **@my.yorku.ca** account for all course business (emails from other accounts may be filtered). All emails must contain a descriptive subject heading (example: "Scheduling a meeting for next week") and a brief grammatically-correct memo in the body. Always sign your emails with your first and last name, and, if possible, a phone number where you can

be reached. (In some cases it may be quicker to speak by phone). Allow 4 business days for a response, and resend the email after 4 days (sometimes emails get lost or buried).

Office hours are drop-in (Tuesdays 10:30-12), and no appointment is needed. You may also schedule a face-to-face or phone meeting outside office hours – please arrange this a week in advance where possible.

5. Academic Integrity

Academic integrity is taken very seriously in all York courses. The York Academic Honesty Policy can be reviewed at

<http://www.yorku.ca/secretariat/policies/document.php?document=69>

All quizzes, tests and assignments for this course must be the original work of each student, and no collaboration is permitted.

In all written work, students are expected to give full and accurate credit to other authors for text and ideas that are taken from other sources. Direct quotations must be in quotation marks with accurate citations. Paraphrased ideas must be cited. Citation format (APA style) will be discussed in class and on assignment instruction sheets. Consult with Jill Lazenby if you have any questions.

Suspected breaches of academic honesty of any kind will be referred to the Division of Natural Sciences for an exploratory meeting with the Director. If needed, the matter may then be referred to the Faculty of Science Associate Dean of Students for a hearing.

Each student must complete the **Academic Integrity Tutorial and Quiz**, and must get all 10 questions correct (you may take the quiz multiple times). The tutorial can be completed in 30-40 minutes. The tutorial will be posted to Moodle in the Assignments box. **Due date: October 14/18.**

Keep all rough notes, drafts and completed project files until after you have received a final grade for the course.

6. Assignment Submission and Deadlines

The Annotated Bibliography and Term Project are due by **11:55pm the day of the deadline**, and are submitted electronically through Moodle. Further instructions and assignment submission links will appear on Moodle. Failure to submit on time will result in a late penalty of 10% per day late beginning at midnight following the deadline.

(If you encounter technical difficulties submitting your paper to Moodle, email a copy to nats1675@yorku.ca by the deadline, and keep trying to upload to Moodle until you are successful. If necessary, the email time stamp will be considered your submission time.)

LearnSmart reading assignments are completed on Connect, and are due by 11:55pm on Sundays. Please see the lecture schedule at the end of this course outline for weekly assignments. The McGraw Hill Connect site also lists the links to the assignments along with their opening dates and deadlines. <http://connect.mheducation.com/class/j-lazenby-fw-18-19>

Online quizzes are due by the deadlines posted to Moodle – normally quizzes will open on Friday mornings at 7am and will close Sundays at 11:55pm.

7. Late Assignments, Projects and Missed Tests

Students are expected to take responsibility for the deadlines in the course. Complete work ahead of deadlines and see Jill Lazenby well before a deadline if you need some guidance.

Important note: Computer crashes, internet problems, equipment failures, business trips, employment schedules, volunteer opportunities, vacations, family trips, job interviews, etc. are not considered valid reasons to miss course deadlines, and no extensions or makeup tests will be granted for these. **Arrange to complete work early if you have a personal conflict, back up your work frequently, and make use of on-campus facilities (ex. through the library) if you are encountering personal device or internet problems.**

Late Assignments: Late online quizzes and LearnSmart reading quizzes will not be accepted for any reason, and there are no makeups for these components of the course. The lowest 2 grades from both of these categories will be automatically dropped from your final grade calculation.

Late Annotated Bibliographies and Term Projects: 10 percentage points per day will be deducted from your final percentage grade, beginning at 12:00am after the deadline, and including weekends, unless documentation is provided verifying an unavoidable medical situation or personal emergency (see below). **If you have technical trouble uploading to Moodle by the deadline, you must email your completed work to nats1675@yorku.ca and try again later.**

Missed Tests: If you wish to be considered for a makeup midterm because of illness or an unavoidable personal emergency, you must notify the course director **within 48 hours**, and **supply documentation within one week**. Your case will be considered and you will receive a reply within one week.

One make up test opportunity will be provided for students with valid documentation (see below). Failure to attend the scheduled makeup midterm will result in 0 for the test. You have the option to submit an academic petition for a future opportunity, in which case the matter will be referred to the Faculty Committee.

If you are ill you must inform Jill Lazenby immediately (within 48 hours of a test or deadline) and ask your physician to fill out an Attending Physician Statement before or within 48 hours of the missed deadline (the form is found on Moodle in the Communications and Information box). A copy of this must be emailed to Jill Lazenby for consideration, within one week.

If you have a personal emergency, you must inform Jill Lazenby immediately and collect supporting professional documentation to verify the reason for missing a deadline (ex. funeral notice with any travel documentation, letter from a psychotherapist or counsellor or chaplain, etc.). Your case will be considered after documentation is received. Please contact Jill Lazenby at nats1675@yorku.ca with any questions about appropriate documentation.

If your situation is unusual, or not covered above please email Jill Lazenby and book a phone or face-to-face meeting to discuss the issue.

Deferred Standing and Academic Petitions: If you have a documented personal emergency or medical issue that you have discussed with Jill Lazenby that requires submission of work after the last day of classes (April 3, 2019), you must obtain Deferred Standing in the course (<http://myacademicrecord.students.yorku.ca/deferred-standing>). Fill

out the required form and submit to Jill Lazenby as soon as possible. Failure to meet the deferred deadline(s) will result in the need to submit an academic petition to qualify for further accommodations (<http://myacademicrecord.students.yorku.ca/academic-petitions>).

7. Personal Student Performance and Getting Help

Students are responsible for their performance in the course, but are encouraged to make use of the Q&A forum on Moodle to ask questions about course content and mechanics. Students are also welcome to seek guidance from the Course Director Jill Lazenby, and York's services, as needed. To discuss any personal concerns about performance in NATS 1675, students can drop by 226A Bethune or call Jill Lazenby during office hours, or can request a phone, Skype, or in-person office appointment outside office hours (email for an appointment and suggest 2-3 times that you're available).

Tests will not be returned, but students are strongly encouraged to review their tests in Jill Lazenby's office. Office hours will be provided for drop-in reviews, and these will be announced in class.

The Division of Natural Science also offers NATSAid, a peer support service staffed by student volunteers who successfully completed NATS courses in previous terms. See the Moodle page Info Zone for more information. Students are also encouraged to make use of the The Learning Commons, the Steacie Library, Personal Counselling, and other services available on campus to support student learning and well-being. Links to some helpful services are available on the course Moodle page in the Info Zone.

8. Grades

Course staff will calculate grades according to the criteria provided with the assignment, and the weighting in "Evaluation" on p. 2 above. They will not "bump up" or alter the calculation of grades for any reason other than a demonstrable error. They will not provide additional assignments or work in the course, and there are no resubmissions.

Tests are not returned, but students may arrange to meet with the course director to view their graded test in person, or attend drop-in hours that will be announced for this purpose.

If clarification is required for a grade on Project #1 or Project #2, request this first from the grader, by email – clearly refer to the criteria on the relevant rubric (attached to your assignment in Moodle, and also provided in the Assignment box). If this does not resolve the matter, a student may request clarification or a reappraisal from the course director. In the case of a reappraisal, a clean copy will be marked, and the student's grade will be that awarded by the course director, whether it is higher, lower or the same. If a student still feels the concern has not been addressed following the regrading, s/he can approach the Division of Natural Science in 218 Bethune to request that the work be regraded by another faculty member. Once again, the final grade will be the grade awarded by the other faculty member.

9. Special Circumstances: Students who feel that there are extenuating circumstances that may interfere with the successful completion of any course requirements are encouraged to discuss the matter with Jill Lazenby early in the term. Students with physical, learning, or psychiatric disabilities who require reasonable accommodations in teaching style or evaluation methods should discuss this with Jill Lazenby in September so that appropriate arrangements can be made.

10. Questions and Concerns not addressed here: Contact Jill Lazenby in person, during drop-in office hours, or by email at nats1675@yorku.ca.

Copyright and Intellectual Property

In order to protect copyright and intellectual property you MAY NOT:

- upload any course content to any website, or share with anyone outside the course
- record lectures for non-personal use
- photograph class activities – all materials are provided for personal download and use are found on Moodle

Course contents include any activities, documents or files connected to this course, including lecture slides, recordings, images, tests, quiz questions, in class participation exercises, and assignments.

University Policies

Important Sessional Dates

Fall classes start: Sept. 5

Last date to announce components of final grades: To be announced

Fall Reading Week (no classes, University open): Oct. 6-12

Last date to submit Fall term work: To be announced

Fall classes end: Dec. 4

Fall Study Day (no classes; University open): Dec. 5

Fall examinations: Dec. 6-21

Winter classes start: Jan. 4

Winter Reading Week (no classes; University open): Feb. 16-22

Last date to submit Winter term work: To be announced

Winter classes end: April 3

Winter study day (no classes; University open): April 4

Winter examinations: April 5-20

Academic Honesty and Integrity

Academic honesty requires that persons do not falsely claim credit for the ideas, writing or other intellectual property of others, either by presenting such works as their own or through impersonation. Similarly, academic honesty requires that persons do not cheat (attempt to gain an improper advantage in an academic evaluation), nor attempt or actually alter, suppress, falsify or fabricate any research data or results, official academic record, application or document. Finally, academic honesty requires that persons do not aid or abet others to commit an offence of academic dishonesty, including intentional acts to disrupt academic activities.

Suspected breaches of academic honesty will be investigated and charges shall be laid if reasonable and probable grounds exist.

Academic Honesty and electronic devices during assessments (e.g. exams)

- Internet capable and personal storage devices of all kinds must be turned off, including vibrate. These and any other unauthorized material must be placed under the student's chair and should not be accessed at any point during the exam. Failure to comply with directive may be considered a break of academic honesty.
- See <http://registrar.yorku.ca/exams/tipsheet>

Please familiarize yourself with the full Senate Policy on Academic Honesty, found at <http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/>

Please also familiarize yourself with the SPARK Academic Honesty tutorial found at <https://spark.library.yorku.ca/academic-integrity-what-is-academic-integrity/>

Academic Accommodation for Students with Disabilities

York University shall make reasonable and appropriate accommodations and adaptations in order to promote the ability of students with disabilities to fulfill the academic requirements of their programs.

The nature and extent of accommodations shall be consistent with and supportive of the integrity of the curriculum and of the academic standards of programs or courses.

Please familiarize yourself with the full Senate Policy on Academic Accommodations for Students with Disabilities, found at <http://secretariat-policies.info.yorku.ca/policies/academic-accommodation-for-students-with-disabilities-policy/>

Note: Students should submit accommodation letters from Counseling and Disability Services (CDS) to the course instructor within the first two weeks of the course or as soon as issued.

Counseling and Disability Services - <http://cds.info.yorku.ca/>

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

Note: A student registered with CDS, and choosing to write with Alternate Exams, is responsible for making the appropriate writing arrangements within the timeframes outlined by Alternate Exams.

Alternate Exams - <http://altexams.students.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.

<https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/15/wo/kmHGekTpzKLX6XYKBXYc8M/0.3.4.62.0>

Note: Students who will have an academic conflict as a result of a religious observance, at any point in the term, should make the instructor aware of such at least three weeks prior to the conflict.

For conflicts occurring during an official examination period, please complete the Examination Accommodation Form available at

http://www.registrar.yorku.ca/pdf/exam_accommodation.pdf and submit to your instructor at least three weeks prior to the final exam.

Student Conduct in Academic Situations

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect and to refrain from actions disruptive to such a relationship. Moreover, it is the responsibility of the instructor to maintain an appropriate academic atmosphere in the classroom 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. A statement of the policy and procedures regarding disruptive and/or harassing behaviour by students in academic situations is available on the website of the University Secretariat (<http://secretariat.info.yorku.ca/>).

Division of Natural Science Resources

NATS-AID

Free peer tutoring for students enrolled in Natural Science Courses.

See <http://natsci.info.yorku.ca/nats-aid/>

M-AID in NATS (Math Aid)

Free math help for students enrolled in Natural Science Courses (TA tutors)

See <http://natsci.info.yorku.ca/m-aid-in-nats/>

Other Resources

Learning Commons

The Learning Commons brings together key supports for your learning: writing, research, learning skills and career services. <http://www.library.yorku.ca/cms/learning-commons/>

goSAFE

goSAFE is a complimentary service provided to the York Community. At the Keele campus, goSAFE has two routes: North Route & South Route which will safely transport community members by vehicle from one specified hub to another on campus. goSAFE operates seven days a week, all year round, including University closures (with the exception at Glendon during the Christmas holiday closure).

Call the goSAFE office at 416-736-5454 or extension 55454 during hours of operation. Please give your name, location and destination. <http://www.yorku.ca/goSAFE/>

Mental Health and Wellness at York University

Outlines a variety of resources available to support mental health and wellness

<http://mhw.info.yorku.ca/resources/resources-at-york/students/>

Good2Talk

Post-Secondary Student 24 hour Helpline

<http://www.good2talk.ca/> 1-866-925-5454

SC/NATS 1675 6.0 B – Human Development – Fall/Winter 2018-19
LECTURE SCHEDULE, ASSIGNMENTS AND READINGS
(subject to minor changes in lecture content and supplementary materials)

Week	Date	Topic and Assignments (See Moodle for updates)	Text Reading Covered (see Moodle for updates)
1	Sept. 10-16	Introduction to the Course Course outline quiz completion LearnSmart Ch 1 and Ch 4 due Sept. 16	Course outline
2	Sept. 17-23	Introduction to the Study of Human Development; The Human Body and its Systems Course outline quiz completion LearnSmart Ch 17A due Sept. 23	Ch 1 (1.1-1.4) Ch 4 (4.1, 4.3, 4.6-4.8)
September 18 – Last day to add a FW course without instructor permission			
3	Sept. 24-30	Male Reproductive System Learnsmart Ch 17B due Sept. 30 Online Quiz #1 (Weeks 2 and 3) available Sept. 28-30	Ch 17A (17.1-17.2)
4	Oct. 1-7	Female Reproductive System Annotated Bibliography Assignment Posted Academic Honesty tutorial due Oct. 14	Ch 17B (17.3-17.4)
5	October 6-12 Fall Reading Week – no classes, University open		
6	Oct. 15-21	Human Sexual Response LearnSmart Ch 17C due Oct. 21 Online Quiz #2 (Weeks 4 and 6) Oct. 19-21	See Moodle
7	Oct. 22-28	Controlling Reproduction LearnSmart Ch 17D due Oct. 28	Ch 17C (17.5)
8	Oct. 29-Nov. 4	Sexually-transmitted infections Online Quiz #3 (Weeks 7 and 8) Nov. 2-4	Ch 17D (17.6)
9	Nov. 5-10	Test #1 Review and Practice Quiz Test #1 LearnSmart Assignment Ch 18A due Nov. 11	Ch 1, 4 and 17
SATURDAY NOVEMBER 10, 2-4PM – <u>TEST #1</u> (See Moodle for location)			
10	Nov. 12-18	Fertilization and Implantation	Ch 18A (18.1-18.3)

11	Nov. 19-25	Embryo and Fetal Development Online Assignment #4 (Peer Review) Nov. 20, and 25 Annotated Bibliography Due Dec. 2	Ch 18A (18.1-18.3)
12	Nov. 26-Dec. 2	Annotated Bibliography Due Dec. 2 Online Quiz #5 (Week 10 and 11) Dec. 3-4	
<i>December 5 – Fall Study Day – No Classes</i>			
<i>December 6-21 – Fall Exam Period (No Exam in NATS 1675A)</i>			
<i>December 22-January 2 – Winter Break</i>			
13	Jan. 3	LearnSmart Assignment Ch 18B due Jan. 6 Term Project Assigned	
14	Jan. 7-13	Pregnancy and Fetal Monitoring Watch: <i>Pregnancy in Progress</i>	18.3 and Ch 18B (18.4) Online video
15	Jan. 14-20	Birth Watch: <i>Understanding Childbirth</i> Online Quiz #6 (Week 14 and 15) Jan. 18-20	Ch 18B (18.4) Online video
16	Jan. 21-27	Infant and Childhood Growth and Development	Online links
17	Jan. 28-Feb. 3	Puberty and Secondary Sex Characteristics LearnSmart Assignment Ch 18C due Feb. 3 Online Quiz #7 (Week 16 and 17) Feb. 1-3	Online links
18	Feb. 4-10	Test #2 Review and Practice Quiz Test #2 – Saturday February 9 LearnSmart Assignment Ch 18C due Feb. 10	
<i>February 8 – Last day to drop this course without receiving a grade – dropping this course between February 9 and April 3 will result in a W “withdrawal” transcript notation</i>			
SATURDAY FEBRUARY 9, 2-4PM – <u>TEST #2</u> (See Moodle for location)			
19	Feb. 11-17	Aging LearnSmart Assignment Ch 2A due Feb. 10	Ch 18C (18.5) Online links
20	<i>February 16-22 Winter Reading Week – no classes, University open</i>		
21	Feb. 25-Mar. 3	Molecules of Life 1: Carbohydrates and Fats LearnSmart Assignment Ch 2B due Mar. 3	Ch 2A (2.3-2.5)

		Online Quiz #8 (Week 19 and 21) Mar. 1-3	
22	Mar. 4-10	Molecules of Life 2: Proteins and Nucleic Acids LearnSmart Assignment Ch 19 due Mar. 10	Ch 2B (2.6-2.7)
23	Mar. 11-17	Chromosomes and Inheritance LearnSmart Assignment Ch 21 due Mar. 17 Online Quiz #9 (Week 22 and 23) Mar. 15-17	Ch 19
24	Mar. 18-24	DNA and Inheritance LearnSmart Assignment Ch 22 due Mar. 24 Online Assignment #10 (Peer review) – March 19 and 24	Ch 21
25	Mar. 25-31	Biotechnology and Gene Therapy Term Project due April 3	Ch. 22
26	April 1-3	TERM PROJECT due April 3 Exam Review and Practice Quiz	
<i>April 3 – Last day of classes – No term work accepted after this date without deferred standing in the course (http://www.registrar.yorku.ca/services/ds_faq.htm)</i>			
<i>April 4 – Winter Study Day – No classes, University open</i>			
<i>April 5-20 – Final Exams –NATS 1675B exam will be held in this period</i>			