Proposed course schedule (Jan- Apr 2018):

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Number of lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR: Peter Rogan</td>
<td>19</td>
</tr>
<tr>
<td>JK: Joan Knoll</td>
<td>3</td>
</tr>
</tbody>
</table>

Lecture/Thompson and Thompson Chapter (Faculty) Date

Chapter 1 Introduction (PR) 1/9
Chapter 2 Introduction to the Human Genome (PR) 1/11
Chapter 3 The Human Genome: Gene Structure and Function (PR) 1/16
Chapter 4 Human Genetic Diversity: Mutation and Polymorphism (PR) 1/18
Chapter 5 Principles of Clinical Cytogenetics and Genome Analysis (JK) 1/23
Chapter 6 The Chromosomal and Genomic Basis of Disease: Disorders of the Autosomes and Sex Chromosomes (JK) 1/25, 1/30
Chapter 7 Patterns of Single-Gene Inheritance (PR) 2/1
Chapter 8 Complex Inheritance of Common Multifactorial Disorders (PR) 2/6
Chapter 9 Genetic Variation in Populations (PR) 2/8

Midterm Exam 2/13

Chapter 10 Identifying the Genetic Basis for Human Disease (PR) 2/15

Reading week

Chapter 11 The Molecular Basis of Genetic Disease (PR) 2/27 (Return midterm grades), 3/1

Chapter 12 The Molecular, Biochemical, and Cellular Basis of Genetic Disease (PR) 3/6, 3/8, 3/13
(PR: Writing assignment: questions from selected cases in Thompson and Thompson – due 4/10)

Chapter 13 The Treatment of Genetic Disease (PR), 3/15, 3/20

Chapter 14 Developmental Genetics and Birth Defects (PR), 3/22, 3/27

Chapter 15 Cancer Genetics and Genomics (PR) 3/29, 4/3, 4/5

Review (by Teaching Assistant) 4/10

Final exam Date TBD by registrar

Conditions of participation

Course director/coordinator Information:
Peter K. Rogan, Ph.D.
Professor of Biochemistry, Oncology and Computer Science
University of Western Ontario
progan@uwo.ca

Note: Email inquires must be polite, patient, and respectful. All inquiries should be appropriate for all class members to receive the information requested. Responses to inquiries may be publicized on the Owl website with the originator of the inquiry identified. Responses will be provided at the instructor’s discretion.

Contact with other instructors is dictated by their own policies.

Request for accomodation for examinations or assignments must be approved in writing by student’s Faculty Advisor at least 3 weeks in advance of examination. In instances where approval has been obtained in advance, a single make up examination will be offered. Timing of rescheduled makeup exam will take into account previously scheduled conflicting exams of all students approved for accomodation. If the student does not appear and complete the make up examination when scheduled, this will result in a failing grade for that examination.

In previous years, the mid-term examination of Biochem 4463 was multiple choice with required explanations for the selection made by the student and counted for 35% of the course grade. The final examination consisted of written responses (paragraph length) to questions and counted for 65% of the course grade; content of the final exam will be cumulative for the course. Exams will be administered through OWL. The writing
assignment is optional and can only be used to increase the final exam grade up to a maximum of 15% of the exam grade.

Statement on Academic Offences
The statement: “Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:
http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_grad.pdf

All required papers and exams may be subject to submission for textual similarity review to the commercial plagiarism-detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (http://www.turnitin.com).

Plagiarism: Students must write their essays and assignments in their own words. Whenever students take an idea or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar).

As part of a successful student experience at Western, we encourage students to make their health and wellness a priority. Western provides several on campus health-related services to help you achieve optimum health and engage in healthy living while pursuing your graduate degree. For example, to support physical activity, all students, as part of their registration, receive membership in Western’s Campus Recreation Centre. Numerous cultural events are offered throughout the year. Please check out the Faculty of Music web page http://www.music.uwo.ca/, and our own Mcintosh Gallery http://www.mcintoshgallery.ca/. Information regarding health- and wellness-related services available to students may be found at http://www.health.uwo.ca/Students seeking help regarding mental health concerns are advised to speak to someone they feel comfortable confiding in, such as their faculty supervisor, their program director (graduate chair), or other relevant administrators in their unit.

Campus mental health resources may be found at http://www.health.uwo.ca/mental_health/resources.html To help you learn more about mental health, Western has developed an interactive mental health learning module, found here: http://www.health.uwo.ca/mental_health/module.html. This module is 30 minutes in length and provides participants with a basic understanding of mental health issues and of available campus and community resources. Topics include stress, anxiety, depression, suicide and eating disorders. After successful completion of the module, participants receive a certificate confirming their participation.

Helpful Resources @ Western for Graduate Students
Writing Support Centre
http://www.sdc.uwo.ca/writing/

SDC’s Learning Skills Services, Rm 4100 WSS,
www.sdc.uwo.ca/learning
LS counsellors are ready to help you improve your learning skills. We offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

The Student Success Centre: http://success.uwo.ca/