PATHOLOGY 9587L

EMERGING CONCEPTS IN HEALTH AND DISEASE
Department of Pathology and Laboratory Medicine
Schulich School of Medicine & Dentistry
University of Western Ontario

COURSE COORDINATOR(S):
Dr. Zia A. Khan zkhan5@uwo.ca

GRADUATE PROGRAM COORDINATOR:
Tracey Koning tkoning@uwo.ca

COURSE EXPECTATIONS:
Western students are expected to follow the Student Code of Conduct. This Code sets out the standards of conduct expected of students and holds individuals responsible for the consequences of their actions. Failure to fulfill these responsibilities may result in the withdrawal of privileges or the imposition of sanctions.

☒ All course materials created by the coordinator(s)/instructor(s) are copyrighted and cannot be distributed or sold.
☒ Recordings are not permitted (audio or video) without explicit permission.
☒ Permitted recordings are not to be distributed.

INTEGRITY PLEDGE:
Academic honesty and integrity are an important part of being a scholar in the Department of Pathology and Laboratory Medicine at Western University. By enrolling in this course, students are obliged to:

☒ fully observe the rules governing exams, tests/quizzes, and assignments regarding resource material, electronic aids, copying, collaborating with others, or engaging in any other behaviour that subverts the purpose of the exam/test/quiz or assignment and the directions of the course instructor.
☒ submit work done specifically for the assignment, and not to borrow work either from other students, or from assignments for other courses.
☒ give full and proper credit to sources and references, and to acknowledge the contributions and ideas of others relevant to academic work.
☒ to complete ‘individual assignments’ individually, and neither to accept nor give unauthorized help to others.
☒ to report any observed breaches of academic honesty.
COURSE DESCRIPTION:

Pathology 9587L is a multidisciplinary course exploring advanced concepts in the pathogenesis of human diseases. Students will learn to critically evaluate scientific literature and emerging themes in select topics and present these concepts to peers. Students will emphasize new developments and will give an overall view of general mechanisms involved in the pathogenesis.

There are two main objectives of this course. The first objective is to provide students with an overview of the fundamental principles that underlie select human diseases. This will be accomplished through an in-depth examination of original research articles on the selected topic. The second objective is to provide students with critical thinking skills and the tools for communicating scientific ideas. The course is designed to encourage students to learn how to research, discuss and evaluate current information, and form cogent arguments and opinions about scientific topics. Students may also use this course to round out their education in areas not covered in depth by graduate courses offered by Pathology and Laboratory Medicine or by other graduate programs at Western University.

LEARNING/COURSE OBJECTIVES:

At the conclusion of the course, students should be able to:

1. Perform targeted primary literature searches on the given topic.
2. Define key concepts and terminology that explain the selected disease process or topic.
3. Synthesize knowledge of how cellular and molecular processes, and systems equilibrium (within a host or within a system-wide context) are involved in the selected topic.
4. Critically analyze existing research articles for scientific writing, scientific merit/integrity, laboratory techniques and methodology, data representation, and overall conclusions.
5. Identify what types of gaps in knowledge currently exist.
6. Synthesize and summarize large amounts of information in the form of a final report and an oral scientific presentation.

COURSE MATERIAL/RESOURCES:

Readings will be generated by the student, with guidance of the supervising faculty member and/or course coordinator. There is no textbook.

TECHNICAL REQUIREMENTS:

- Stable internet connection
- Laptop or computer
MODE AND COURSE DELIVERY:

Live (synchronous)

This course will be completely online. Virtual sessions will be synchronous (live).

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<thead>
<tr>
<th>Mode</th>
<th>Dates</th>
<th>Time</th>
<th>Attendance</th>
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<tbody>
<tr>
<td>Virtual synchronous¹</td>
<td>TBD</td>
<td>TBD</td>
<td>Yes²</td>
</tr>
<tr>
<td>Virtual asynchronous</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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¹A schedule will be posted; ²Attendance and participation is required.

Remote sessions may be scheduled through Zoom Cloud Meetings, Microsoft Teams, Cisco Webex, or other online/cloud meeting platform.

All course material will be posted to OWL: http://owl.uwo.ca. Any changes will be indicated on the OWL site and discussed with the class.

If students need assistance, they can seek support on the OWL Help page. Alternatively, they can contact the Western Technology Services Helpdesk. Western Technology Services can also be contacted by phone at 519-661-3800 or ext. 83800.

Google Chrome or Mozilla Firefox are the preferred browsers to optimally use OWL. Students interested in evaluating their internet speed, please click here.

EVALUATION:

<table>
<thead>
<tr>
<th>Component</th>
<th>% of final grade</th>
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<tbody>
<tr>
<td>Presentation of the topic</td>
<td>30</td>
</tr>
<tr>
<td>Final report</td>
<td>70</td>
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MISSED WORK AND LATE ASSIGNMENTS:

☒ If a student misses an assignment, a presentation or other course deadline, they will be subject to the penalties outlined in this course syllabus, unless they have made prior arrangements with the course coordinator and instructor.
☒ The total possible grade of an assignment or a presentation will be reduced by 10% for each full or partial day (including weekend days) the assignment is handed in (or presentation is completed) beyond the due time or beyond a negotiated extension date.
☒ Missed quizzes, exams, presentation, and reports will be assigned a mark of 0%, unless accommodation has been requested and alternate arrangement have been made prior to the deadline.

ADDITIONAL INFORMATION & STATEMENTS

Statement on Use of Electronic Devices:
Tablets and computers are permitted in the class/learning sections. Students are also permitted to use their own computers when delivering a presentation in class.

For all tests, quizzes, and exams taken in-person, it is the policy of the Schulich School of Medicine & Dentistry that any electronic devices, i.e., cell phones, tablets, cameras, or iPod are strictly prohibited.

Students support:
Students who are in emotional/mental distress should refer to Mental Health@Western for a complete list of options about how to obtain help.

Academic offenses:
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: https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_grad.pdf

All required papers and reports 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 and reports submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers/reports 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).

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

Academic accommodation:
Students seeking accommodation must make timely, formal requests and provide relevant medical or psychological documentation sufficient to allow the University to determine whether they qualify for academic accommodation and what kind of accommodation might be required. Students should consult SAS website for the required documentation and kinds of accommodation (http://www.sdc.uwo.ca/ssd/academic_accommodation/index.html).

Absence for non-medical reasons:
Absences (presentations and assignments) may be permitted for compassionate reasons. However, documentation is required and must be submitted by the student directly to the course coordinator. The coordinator will determine if accommodation is warranted.

**Accessibility Statement:**
Please contact the course coordinator if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Student Accessibility Services (SAS), provided by the Student Development Centre (SDC) at Western for specific questions.

**Copyright and Audio/Video Recording Statement:**
Course material produced by faculty is copyrighted and to reproduce this material for any purposes other than your own educational use contravenes Canadian Copyright Laws. You must always ask permission to record another individual and you should never share or distribute recordings.

**Correspondence Statement:**
The centrally administered e-mail account provided to students will be considered the individual’s official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner. You can read about the privacy and security of the uwo email accounts [here](#).