Pathology
[PATHOL 2420A – Pathology for Nursing Students]
Course outline for Fall 2021

1. Course Description
An introductory pathology course providing an understanding of fundamental mechanisms of disease processes. The objectives of this course are to provide you with the background of disease and disease processes and mechanisms to prepare you for patients you may encounter in clinical practice. This course helps to make the connection between clinical signs and symptoms, underlying pathology and the role of pathology and laboratory medicine in health care.

The first half of the course introduces Pathology and Laboratory Medicine, general pathology concepts and pathogenesis of diseases common to all organ systems. The second half will focus on specific disease in most of the major organ systems including cardiovascular, respiratory, gastrointestinal, genitourinary and nervous systems.

2. Course Learning Outcomes

1. Utilize the principles of and approach to laboratory stewardship to navigate the different aspects of Pathology and Laboratory Medicine

2. Describe pathologic changes and processes in cells and organ systems that result in disease and how these relate to clinical findings

3. Explain the etiology and pathological processes of common acute and chronic diseases

4. Outline the factors influencing the incidence and manifestation of diseases

5. Discuss the nurse’s role and responsibility for assessment of patients with acute and chronic diseases

3. Competencies for Entry-Level Registered Nurse Practice (CNO, 2020) addressed in the course:

| 1.21 | Incorporates knowledge from the health sciences, including anatomy, physiology, pathophysiology, psychopathology, pharmacology, microbiology, epidemiology, genetics, immunology, and nutrition. |
| 1.7  | Anticipates actual and potential health risks and possible unintended outcomes. |
| 2.2  | Demonstrates a professional presence, and confidence, honesty, integrity, and respect in all interactions. |
4.1 Demonstrates collaborative professional relationships.

6.6 Demonstrates self-awareness through reflective practice and solicitation of feedback.

9.2 Translates knowledge from relevant sources into professional practice.

4. Contact Information

<table>
<thead>
<tr>
<th>Course Coordinator</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td>Dr. Emily Goebel</td>
<td><a href="mailto:egoebel2@uwo.ca">egoebel2@uwo.ca</a></td>
</tr>
<tr>
<td>Dr. Paul Plantinga</td>
<td><a href="mailto:pplantin@uwo.ca">pplantin@uwo.ca</a></td>
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<thead>
<tr>
<th>Teaching Assistant(s)</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td>Michael Roes</td>
<td><a href="mailto:mroes@uwo.ca">mroes@uwo.ca</a></td>
</tr>
<tr>
<td>Adam Greasley</td>
<td><a href="mailto:ageasl@uwo.ca">ageasl@uwo.ca</a></td>
</tr>
<tr>
<td>Eric Wang</td>
<td><a href="mailto:ewang55@uwo.ca">ewang55@uwo.ca</a></td>
</tr>
<tr>
<td>Megan Hong</td>
<td><a href="mailto:mhong32@uwo.ca">mhong32@uwo.ca</a></td>
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<thead>
<tr>
<th>Course Administrator</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td>Cheryl Campbell</td>
<td><a href="mailto:ccampbell@uwo.ca">ccampbell@uwo.ca</a></td>
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5. Technical Requirements

- Stable internet connection
- Laptop or computer
- Working microphone
- Working webcam (for exam)

6. Important Dates:

<table>
<thead>
<tr>
<th>Classes Start</th>
<th>Reading Week</th>
<th>Classes End</th>
<th>Exam Period</th>
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<tbody>
<tr>
<td>September 8</td>
<td>November 1 - 7</td>
<td>December 8</td>
<td>December 10 - 21</td>
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7. Mode and Course Delivery

Live (virtual synchronous)  On demand/recorded (asynchronous)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Dates</th>
<th>Time</th>
<th>Frequency</th>
<th>Attendance</th>
</tr>
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<tbody>
<tr>
<td>Virtual asynchronous</td>
<td>N/A</td>
<td>2 hours*</td>
<td>Weekly</td>
<td>N/A</td>
</tr>
<tr>
<td>Virtual synchronous</td>
<td>Fridays</td>
<td>12:00 – 1:00 pm</td>
<td>Weekly</td>
<td>Mandatory</td>
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*The course is being given to both Fanshawe College and UWO nursing students concurrently as an online course, the time provided for virtual asynchronous content is an estimate. A weekly guide to the material is provided below.

Virtual synchronous sessions are consolidation sessions to review concepts in a problem based case study format. You will work through the case studies in groups with review of answers during the session. It is also a chance for you to ask questions about the material for that week. These sessions will not be recorded; however the case-studies without answers will be available for review in OWL. These sessions are considered mandatory as you will receive marks for attendance/participation in these sessions.

Virtual synchronous sessions will be scheduled through Zoom.

All course material will be posted to OWL: [http://owl.uwo.ca](http://owl.uwo.ca). Any changes will be indicated on the OWL site and announced to the class.

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

[Google Chrome](http://www.google.com) or [Mozilla Firefox](http://www.mozilla.com) are the preferred browsers to optimally use OWL; update your browsers frequently. Students interested in evaluating their internet speed, please click [here](http://www.speedtest.net).
8. Course Content and Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Sept 8 – 12</td>
<td>Introduction to Pathology and Laboratory Medicine and Cause of disease, Morbidity and Mortality</td>
</tr>
<tr>
<td>2</td>
<td>Sept 13 – 19</td>
<td>Genetics</td>
</tr>
<tr>
<td>3</td>
<td>Sept 20 – 26</td>
<td>Cellular stress: injury, adaptation and cell death</td>
</tr>
<tr>
<td>4</td>
<td>Sept 27 – Oct 3</td>
<td>Inflammation and Repair</td>
</tr>
<tr>
<td>5</td>
<td>Oct 4 – 10</td>
<td>Immunocellular Alterations</td>
</tr>
<tr>
<td>6</td>
<td>Oct 11 – 17</td>
<td>Neoplasia</td>
</tr>
<tr>
<td>7</td>
<td>Oct 18 – 24</td>
<td>Circulation, Tissue Perfusion and Cardiac and Vascular Health</td>
</tr>
<tr>
<td>8</td>
<td>Oct 25 – Oct 31</td>
<td>Respiratory Health</td>
</tr>
<tr>
<td>9</td>
<td>Nov 1 – 7</td>
<td>Reading Week</td>
</tr>
<tr>
<td>10</td>
<td>Nov 8 – 14</td>
<td>Disease of the Kidney and Urinary Tract</td>
</tr>
<tr>
<td>11</td>
<td>Nov 15 – 21</td>
<td>Disease of the Female and Male Genital Tract</td>
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<tr>
<td>12</td>
<td>Nov 22 – 28</td>
<td>Gastrointestinal Health</td>
</tr>
<tr>
<td>13</td>
<td>Nov 29 – Dec 5</td>
<td>Neurocognitive Health</td>
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9. Online Participation and Engagement

- Students are expected to participate and engage with content as much as possible
- Students can participate during the live consolidation sessions
- Students can also participate by interacting in the discussion forums with their peers and instructors. Please post questions in the weekly topics forum for everyone to benefit!

10. Assessments

Below is the evaluation breakdown for the course. Any deviations will be communicated.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Format</th>
<th>Weighting</th>
<th>Due Date</th>
</tr>
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<tbody>
<tr>
<td>Weekly Quiz</td>
<td>Multiple choice</td>
<td>25%</td>
<td>Available after the Friday live consolidation session and due by the following Thursday</td>
</tr>
<tr>
<td>Consolidation Session Attendance</td>
<td>Participation/Attendance</td>
<td>5%</td>
<td>Must attend 10/12 consolidation sessions to receive the full 5% (partial credit provided for attendance less than 10 sessions)</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>Multiple choice and short answer</td>
<td>35%</td>
<td>Sat, Oct 23, 2021</td>
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</table>
The quizzes cover content from the week. They will open Friday at 1 pm and will close the following Thursday at 5 pm. **All quizzes must be completed by 5:00 pm EST on the due date.** You can complete the quiz anytime during this period; however, once you access the quiz, you will have 1 hour to complete it. There are no make-up quizzes or retakes.

Virtual proctoring (Zoom) will be used for the midterm and final exam. You must have a functional webcam.

Click [here](#) for a detailed and comprehensive set of policies and regulations concerning examinations and grading. The table below outlines the University-wide grade descriptors.

<table>
<thead>
<tr>
<th>Final Exam</th>
<th>Multiple choice and short answer</th>
<th>35%</th>
<th>TBD</th>
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**Information about late or missed evaluations:**
Missed exams will be assigned a mark of 0%, unless accommodation has been requested and alternate arrangements have been made prior to the deadline. Please contact the course coordinator promptly.

**11. Communication:**
- Students should check the OWL site every 24 – 48 hours
- Students should message the coordinators(s) and teaching assistant(s) using OWL “messages” and not their email
- This course will use the OWL forum for discussions
- Students should post all course-related content on the discussion forum so that everyone can access answers to questions
- The discussion forums will be monitored daily by instructors or teaching assistants

**12. Consolidation Sessions:**
- The consolidation sessions will be conducted on Zoom (link will be provided on OWL)
  - The password for entering the session is: Path2420

The consolidation sessions will be active case-based learning in which there will be group participation. There will also be opportunity for students to get clarifications or help with problems that arise while reviewing the material and to guide you in your own study.
13. Resources

- Course modules and notes will be available online through the OWL site at Western University
- Recommended textbook: "Robbins Basic Pathology", 10th edition by Kumar et al (2017). It is available at the Western and Fanshawe College bookstores. There are recommended and supplementary readings provided each week.

14. Professionalism & Privacy:

Western students are expected to follow the Student Code of Conduct. Additionally, the following expectations and professional conduct apply to this course:

- Students are expected to follow online etiquette expectations provided on OWL
- All course materials created by the instructor(s) are copyrighted and cannot be sold/shared
- Recordings are not permitted (audio or video) without explicit permission
- Permitted recordings are not to be distributed
- Students will be expected to take an academic integrity pledge before some assessments

15. How to Be Successful in this Class:

Students enrolled in this class should understand the level of autonomy and self-discipline required to be successful.

1. Invest in a planner or application to keep track of your courses. Populate all your deadlines at the start of the term and schedule time at the start of each week to get organized and manage your time.
2. Make it a daily habit to log onto OWL to ensure you have seen everything posted to help you succeed in this class.
3. Follow weekly checklists created on OWL or create your own to help you stay on track.
4. Take notes as you go through the lesson material.
5. Connect with others. Use the online discussions forums.
6. Do not be afraid to ask questions. If you are struggling with a topic, check the online discussion boards or contact your teaching assistant(s) or instructors.
16. Western Academic Policies and Statements

Online Proctoring Notice

Examinations in this course will be conducted using Zoom live proctoring. By taking this course, you are consenting to the use of this software. More information is available in the Online Proctoring Guidelines at the following link:


Accommodation, Illness Reporting and Academic Considerations

Accommodation Policies
Students with disabilities work with Accessible Education which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing.

Academic Consideration for Student Absence

If you are unable to meet a course requirement due to illness or other serious circumstance, you must seek approval for the absence as soon as possible. Please follow the information on Academic Considerations for Absences.

Approval can be granted either through a self-reported absence or via the Academic Counselling unit. Students have two self-reports to use throughout the academic year; absence from course commitments including tests, quizzes, presentations, labs, and assignments that are worth 30% or less can be self-reported. Self-reported absences cover a student for 48 hours (yesterday + today or today + tomorrow). Your instructor will receive notification of your consideration; however, you should contact your instructor immediately regarding your absence. Students are expected to submit missed work within 24 hours of the end of the 48-hour period. Please review details of the university’s policy on academic consideration for student absences.

Students are not able to use the self-reporting option in the following circumstances:

- for exams scheduled by the Office of the Registrar (e.g., December and April exams)
- absence of a duration greater than 48 hours,
- assessments worth more than 30% of the student’s final grade,
- if a student has already used the self-reporting portal twice during the academic year
If you have used both their self-reported absences or will miss more than 48 hours of course requirements, a Student Medical Certificate (SMC) should be signed by a licensed medical or mental health practitioner, and you should contact academic counselling.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. **All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty.**

**Religious Accommodation**
Students should consult the University's list of recognized religious holidays, and should give reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counsellor if their course requirements will be affected by a religious observance. The policy on Accommodation for Religious Holidays can be viewed [here](#).

**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.

**Special Examinations**
A Special Examination is any examination other than the regular examination, and it may be offered only with the permission of the Dean of the Faculty in which the student is registered, in consultation with the instructor and Department Chair. Permission to write a Special Examination may be given on the basis of compassionate or medical grounds with appropriate supporting documents. To provide an opportunity for students to recover from the circumstances resulting in a Special Examination, the University has implemented Special Examinations dates. Important information about examinations and academic standing can be found [here](#).

**Academic Offenses**
“Scholastic offences are taken seriously, and students are directed [here](#) to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence.
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.

Turnitin and other similarity review software

All assignments will be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. Students will be able to view their results before the final submission. 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 Western University and Turnitin.com.

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.

Rounding of Marks Statement

Across the Basic Medical Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and evaluated based only on their actual achievement. Final grades on this course, irrespective of the number of decimal places used in marking individual assignments and tests, will be calculated to one decimal place and rounded to the nearest integer, e.g., 74.4 becomes 74, and 74.5 becomes 75. Marks WILL NOT be bumped to the next grade or GPA, e.g. a 79 will NOT be bumped up to an 80, an 84 WILL NOT be bumped up to an 85, etc. The mark attained is the mark you achieved, and the mark assigned; requests for mark “bumping” will be denied.

17. Support Services

The following links provide information about support services at Western University.
Academic Counselling (Science and Basic Medical Sciences)

Appeal Procedures

Registrarial Services

Student Development Services

Student Health Services