

PATH 375 COURSE SYLLABUS

ACKNOWLEDGEMENT

UBC's Point Grey Campus is located on the traditional, ancestral, and unceded territory of the xwməθkwəyəm (Musqueam) people. The land it is situated on has always been a place of learning for the Musqueam people, who for millennia have passed on in their culture, history, and traditions from one generation to the next on this site.

COURSE INFORMATION

Course Title	Course Code Number	Credit Value
Introduction to Human Pathology	PATH 375	3

PREREQUISITES

BIOL 1st (6 credits); CHEM 1st (6 credits)

COREQUISITES

n/a

CONTACTS

Course Instructor(s)	Contact Details	Office Location
Dr. Ananta Gurung	Preferred method of contact is email through Canvas. Unless exceptional circumstances, will respond to questions within 1 week.	RCH Department of Pathology

COURSE INSTRUCTOR BIOGRAPHICAL STATEMENT

Dr Gurung is a faculty member in the Department of Pathology and Laboratory Medicine at the University of British Columbia (UBC, Vancouver, BC) and is a pathologist practicing at the Royal Columbian Hospital (RCH). In addition to working as a surgical pathologist, he also acts as a regional gastrointestinal and hepato-pancreato-biliary pathology consultant and regional medical director for cytology services. He is a Fellow of the Royal College of Physicians of Canada (FRCPC) and Fellow of the American Society of Clinical Pathology (FASCP).

OTHER INSTRUCTIONAL STAFF

N/A

COURSE STRUCTURE

PATH 375 is a lecture-based course which employs traditional didactic teaching. PDF versions of powerpoint lecture slides will be made available to the students via UBC Canvas. This is an introductory course into human pathology. Each week will cover one or two major topics/diseases

involving a particular anatomical system. Student assessment will include a midterm exam and final exam.

SCHEDULE OF TOPICS

Cell Pathology
Inflammation, Repair and Response to Injury
Genetic and Developmental Diseases
Immunopathology
Neoplasia
Fluid and Hemodynamic Disorders
The Cardiovascular System
The Respiratory System
The Hematopoietic and Lymphoid Systems
The Gastrointestinal System
The Liver and Biliary System and the Pancreas
The Urinary Tract and the Male Reproductive System
The Female Reproductive System and the Breast
Bones, Joints, and Muscles,
The Endocrine System and Skin
The Nervous System

LEARNING OUTCOMES

By the end of this course, students will be able to:

1. Describe cellular responses to change and injury including:
 - a. Hyperplasia, hypertrophy, metaplasia, and atrophy.
 - b. Intracellular accumulations (anthracosis, hemosiderosis, and lipid accumulation)
 - c. Cell death including necrosis and apoptosis
2. Explain the key components and outcomes of inflammation including:
 - a. Physical signs of inflammation and cellular events in inflammation.
 - b. Classification of different types of inflammation.
 - c. Healing and wound repair.
3. Explain the key aspects of pathology related to the immune system including:
 - a. Hypersensitivity reactions.
 - b. Transfusion reactions, transplant rejection and graft versus host disease.
 - c. Autoimmune diseases and immunodeficiency diseases.
4. Describe the key aspects of neoplasia including:
 - a. Terminology and classification of neoplasms.
 - b. Causes, clinical manifestations of, and epidemiology of, cancer
5. Describe the key aspects of developmental abnormalities including:
 - a. Genetic factors and teratogens.

- b. Chromosomal abnormalities, single gene and multifactorial disorders
 - c. Prenatal diagnosis, prematurity, birth injury and sudden infant death
6. Describe key aspects of fluid and hemodynamic disorders.
 7. List and describe the pathophysiological processes underlying diseases of the major organ systems.

LEARNING ACTIVITIES

Students are expected to participate in class by answering questions posed by instructors. Small group discussions may also be required.

LEARNING MATERIALS

Copies of lectures and handouts will be made available via UBC Canvas.

The recommended textbooks for PATH 375 is:

Ivan Damjanov: Pathology for the Health Professions, 5th Ed, 2016.

Please note that it is not a mandatory requirement for students to purchase/own this textbook. PATH 375 examination questions will be based on course lecture notes; the recommended textbook is helpful for students who would like further readings on topics presented in class, or are seeking clarity around concepts discussed in class.

ASSESSMENTS OF LEARNING

Assessments to student learning include the following components in this course. Each component must be passed to successfully complete the course and receive credits. The passing grade is 50%.

Component	Weight
Midterm exam	40%
Final exam	60%

Student final letter grade will be given based on the following:

Letter Grade	Percentage
A+	90% - 100%
A	85% - 89%
A-	80% - 84%
B+	76% - 79%
B	72% - 75%
B-	68% - 71%
C+	64% - 67%
C	60% - 63%
C-	55% - 59%
D	50% - 54%

F (Fail)	0% - 49%
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EXAM POLICIES

1. Academic Accommodation for Examinations

- Students requiring Academic Accommodation must be registered with the Access and Diversity Office and present their confirmation letter to the Program Coordinator within the first two weeks of the term. Midterm and final examinations will be written through the Access and Diversity Office, which requires a minimum of 1 week notice prior to the exam date.

[Academic Accommodation is available to students with medical conditions or disabilities requiring special conditions for examinations, e.g. additional time, private space, writing aids, etc.]

2. Midterm Examination

- A missed midterm examination with documentation (e.g. doctor's note, note from coach if travelling for varsity, copy of death certificate and/or travel documents if student travels to attend a funeral, etc.) will result in the final examination being weighted 100% toward the final course grade.
- Documentation must be submitted to the Program Coordinator within 48 hours of the missed examination.
- Material from the entire course will be covered on the final examination written by students with documentation for the missed midterm.
- A missed midterm examination without documentation will result in a grade of "0" (zero).

3. Final Examination

- A missed final examination with documentation (e.g. doctor's note, note from coach if travelling for varsity, copy of death certificate and/or travel documents if student travels to attend a funeral, etc) will result in the final examination being deferred to the supplementary exam period in August.
- Documentation must be submitted to the Program Coordinator within 48 hours of the missed examination.
- The deferred examination will consist of material from the second half of the course only (i.e. the material that would normally be covered on the final exam).
- Students must apply through Enrolment Services for both deferred and supplemental examinations and pay any associated fees.
- A missed final examination without documentation will result in a grade of "0" (zero).
- A missed midterm and a missed final examination, both with documentation, will result in the examination being scheduled in the supplementary exam period in August. The supplementary examination will consist of material from the entire course.
- Students must apply through Enrolment Services for both deferred and supplemental examinations and pay any associated fees.

- Missed Deferred and Supplemental examinations will not be rescheduled. Failure to attend will result in a grade of “0” zero.

PARTICIPATION EXPECTATIONS

Students are expected to participate in class by answering questions posed by instructors. Small group discussions may also be required.

NETIQUETTE EXPECTATIONS

Netiquette, or internet etiquette, is a set of guidelines for acting appropriately online for discussion posting. We are providing you with the following guidelines to empower you to successfully communicate in our online learning environment.

We encourage you to...

- Be clear when expressing thoughts and information, remember that other users cannot not see your facial expressions or hear tone of voice. Thus it is important to be weary of using humor and sarcasm.
- Remember that humans are on the other end of correspondence. Do not say anything that you would not say in person. Before you send something, ask yourself... how would I interpret this if I received it?
- Respect other people’s time. Make the subject line of a post specific to your message. Avoid tangents and stick to one subject per posting.
- Don’t expect instant responses from peers or professors.
- Be forgiving and supportive of other learners.
- Be sure to respond to your classmates’ comments on your posts, just like you would in a face-to-face conversation.
- Remember everyone is from different cultures and may bring different perspectives. Embrace diversity.
- Provide sincere and constructive comments of praise and feedback.
- Respect the fact that everyone has different levels of technical competency and different learning preferences.
- Before entering a discussion, be sure to observe and review before leaping in to respond; avoid repetition. Also, take some time to consider your response to ensure it is well thought-out.
- Refer to your classmates’ posts and comments when you contribute to the discussion to show that you acknowledge their thoughts.
- Do not use capital letters (this means someone is shouting). To emphasize a word, use asterisks in the following manner: *word*.
- Include your name at the end of each posting/comment.
- Cite all sources incorporated in posting using APA format and use a direct link when possible.

- Proofread all postings before submitting. Avoid using abbreviations and foul language; and be sure to use proper capitalization.
- Fundamentally, just as with your assignments or participation in other classes, remember that your posts and contributions in our online environment represent YOU. Be the best version of yourself in all ways possible. Go the extra mile to be a great contributor to the online environment.

(Source: Netiquette by Jaimie Hoffman is licensed under a Creative Commons Attribution-NonCommercial 4.0 International License.)

UNIVERSITY POLICIES

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions.

Details of the policies and how to access support are available on [the UBC Senate website](#).

OTHER COURSE POLICIES

N/A

COPYRIGHT

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Students may not record lectures.