

**PATHOLOGY 300****DR. E. ZORYCHTA****HUMAN DISEASE****COURSE OUTLINE****2018****v1****LECTURES: Tuesday, Thursday 10:00 - 11:30****McMED 522**

<b>DATE</b>	<b>DAY</b>	<b>TOPIC</b>	<b>PROF</b>
Jan. 9	T	Introduction to Pathology, Course content and objectives, concepts of disease.	Zorychta
Jan. 11	Th	Adaptation, injury and death at the cellular level.	Zorychta
Jan. 16	T	Inflammation and repair: how the body responds to injury. Mechanisms regulating inflammation.	Zorychta
Jan. 18	Th	Inflammation and repair: types of acute inflammation, chronic inflammation, wound healing.	Zorychta
Jan. 23	T	Infectious diseases: general features, defence mechanisms, common bacterial infections.	Zorychta
Jan. 25	Th	Infectious diseases: viral infections - the family of herpes viruses, influenza.	Zorychta
Jan 30	T	Disorders of the immune system: allergic reactions, autoimmune diseases.	Gregorieff
Feb 1	Th	Disorders of the immune system: Acquired immunodeficiency syndrome (AIDS), transplantation biology.	Gregorieff
Feb. 6	T	Normal aging vs. degenerative disease: general features of aging, osteoporosis, osteoarthritis.	Zorychta
Feb. 7	Th	Disorders of the central nervous system: Alzheimer's and Parkinson's diseases, multiple sclerosis, prion disorders, meningitis.	Sabri
Feb. 13	T	Disorders related to lifestyle: alcohol, tobacco, iatrogenic disease, environmental pathology.	Zorychta
Feb. 15	Th	Nutritional disorders: anorexia, bulimia, obesity.	Zorychta
Feb.20	T	Cardiovascular pathology: fluid and hemodynamic derangements, diseases of arteries, veins and lymphatics, atherosclerosis.	Zorychta
<b>Feb.22</b>	<b>Th</b>	<b>MID-TERM EXAMINATION: 7- 8:30 p.m.</b> <b>McMed 522, 504 &amp; 521</b> <b>BRING YOUR ID.</b>	
Feb 22	Th	<b>NO CLASS – REPLACED BY EXAM</b>	
Feb 27	T	Cardiovascular pathology: hypertension, ischemic heart disease, angina, myocardial infarct.	Zorychta

DATE	DAY	TOPIC	PROF
Mar. 1	Th	Cardiovascular pathology: cardiac arrhythmias, valvular heart disease, congestive heart failure, cerebrovascular disease.	Zorychta
		<i>March 5 – March 9: Winter Study Break</i>	
Mar. 13	T	Diseases of the respiratory system: general, the common cold, pneumonias, childhood infections.	Baglole
Mar. 15	Th	Diseases of the respiratory system: asthma, bronchitis, emphysema, restrictive lung disease.	Baglole
Mar. 20	T	Neoplasia: description and classification, properties of benign and malignant tumors, metastasis.	Zorychta
Mar. 22	Th	Neoplasia: breast cancer, prostate cancer.	Zorychta
Mar. 27	T	Neoplasia: cancer of the lung, cancers of the gastrointestinal system.	Zorychta
Mar 29	Th	Neoplasia: carcinogenesis, biology of tumor growth, treatment of cancer, chemoprevention.	Zorychta
Apr 3	T	Diseases of the skin: dermatitis, acne, allergic reactions, effects of sunlight, skin cancers.	Zorychta
Apr. 5	Th	Gastrointestinal pathology: disorders of the mouth, esophagus and stomach; gastric and duodenal ulcers.	Zorychta
Apr. 10	T	Gastrointestinal pathology: disorders of the liver; hepatitis, cirrhosis, gallstones.	Zorychta
Apr. 12	Th	Gastrointestinal pathology: disorders of the small and large intestine; malabsorption, diarrhea, constipation, Crohn's disease, ulcerative colitis, appendicitis	Zorychta

**EXAMINATIONS:** MID-TERM - 50 questions, multiple choice.  
FINAL - 120 questions, multiple choice.

**GRADE:** 35% MID-TERM + 65% FINAL

**TEXT:** [Basic Pathology, Tenth edition with online access. Kumar, Abbas & Aster; Elsevier, 2017.](#)  
(Pathologic Basis of Disease, 9th edition, Kumar, Abbas, & Aster, 2014, may also be used, but Basic Pathology is preferable)

**PREREQUISITES:** BIOL 200 (Molecular Biology) and either BIOL 201 (Cell Biology and Metabolism), or BIOC 212 (Molecular Mechanisms of Cell Function) plus PHGY 209 (Mammalian Physiology I) and 210 (Mammalian Physiology II) or equivalents. PHGY210 may be taken as a corequisite.

**QUESTION PERIOD:** *There will be an open question/advising period immediately after every lecture, and the professor will remain for as long as required to answer individual questions. (Students who have another course starting at 11:30 can arrange a meeting prior to 10:00, or, if necessary, at another time and location. )*

*McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see [www.mcgill.ca/integrity](http://www.mcgill.ca/integrity) for more information)*