

HMB 302H1F Vertebrate Histology and Histopathology 2018 Syllabus

Instructor:

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Time and Location:

Lectures: Wednesday from 10 a.m. to 12 noon in the Health Science Building room HS610.

Laboratories: Mondays from 9 am to 12pm in RW013; Mondays from 6pm to 9pm in RW013; Fridays from 9 a.m. to 12 noon in RW013.

TextBooks:

Wheater's Functional Histology 6e. By Barbara Young, James S. Lowe. A Churchill Livingstone Title/Elsevier. 2014. ISBN-13: 978—0-7020-4747-3.

Atlas of Descriptive Histology. By Ross, Pawlina and Barnash. Sinauer. 2009. ISBN: 978-0-87893-696-0

Wheater's Basic Pathology: a text, atlas and review of histopathology, 5th Edition. B. Young, W. Stewart and G. O'Dowd. Published by Churchill Livingstone, Elsevier. 2011. ISBN 978-0-443-06797-6

These books are expensive and will be used as reference textbooks only. We do have a number of histology books on reserve at the HMB office and the Science and Medicine Library has numerous textbooks on histology and histopathology.

Course Goals:

Histology and histopathology stand at a crossroad between the various science disciplines, including physiology and biochemistry, and acts as an integrative element between these disciplines. The goals of the Vertebrate Histology and Histopathology course are as follows: to offer the students insight into the human body in the context of health and disease relating to the Specialist and Major programs in Health and Disease; to complement existing 300+ level science courses in physiology, pathobiology, microbiology and biochemistry; and to further educate students about the fundamentals of their bodies. Visual representations (e.g. histology images) are used extensively in the course to better understanding of the complex pathways within the body.

Lecture	Lecture Topic	Lab	Laboratory Topic
September 12	Introduction to Histology and the Cell	September 10/14	No Lab
	Epithelium		
	Connective Tissue	September 17/21	Epithelial tissue and Glands; Connective Tissue
to	Muscle and Nervous Tissue	Sept 24/28	Muscle and Nervous Tissue
	Blood and Lymphatic Tissue		Blood and Lymph Vascular Systems
	Circulatory Systems	October 1/5	Blood Vessels
October 10	Lymphatic Organs	October 8/12	Free lab/Lymphatic Organs
October 17	Lecture Test	October 15/19	Laboratory Test I
October 24	Digestive System	October 22/26	Digestive System
			Pancreas
	Liver and Gall Bladder	Oct/Nov 29/2	Liver and Gall Bladder
			Respiratory System
	Respiratory System	November 5/9	Reading Week, no labs
to			
	Inflammation and Repair	November 12/16	Inflammation and Repair & Diseases of the Respiratory System
	Diseases of the Respiratory System	November 19/23	Neoplasia
December 5	Neoplasia	November 26/30	Laboratory Test II

Marking Scheme:

October 17, 2018	Lecture Test 1 ¹	20%
October 15/19, 2018	Laboratory Test 1 ²	20%
November 26/30 2018	Laboratory Test 2 ³	25%
December 8 - 21, 2018	Final Examination ⁴	35%

Notes:

- 1) Lecture Test 1 will cover up to and including Blood Vessels, lecture content.
- 2) Laboratory Test 1 will cover up to and including Blood Vessels (page 18).
- 3) Laboratory Test 2 will cover the entire term, emphasis on the latter part of the term. Lymphatic organs up to and including Chronic Inflammation, page 34.
- 4) The Final Exam will include only lecture material and will cover the entire term, emphasis on the latter part of the term.
- 5) The content of this course syllabus is tentative.
- 6) Oct 8 and Nov 5-9, no classes. The lab on Friday October 12 (RW013) is available if you wish to attend.