

Health Sciences

4351B



DISEASE MECHANISMS

COURSE OBJECTIVE

The purpose of this course is to provide the student with an advanced understanding of the key disease phenomena that impact human health.

Following completion of this course, students will be able to

- x Describe key events during stages of disease manifestation
- x Differentiate between systemic and regional effects of disease
- x Extrapolate from signs and conditions, the state of disease progression
- x Synthesize concise study notes on specific disease issues
- x Create evaluation questions to test knowledge about disease

COURSE ADMINISTRATION

INSTRUCTOR

Dr. Dan Belliveau
Health Sciences Building, room 221
Ext. 88235

OFFICE HOURS

Wednesday 1:30 – 4:30 OR by appointment

Due to the nature of the professoriate, there are times when unforeseen circumstances may prevent me from being present during scheduled office hours. I am always interested in hearing from students so feel free to contact me with some potential meetings times and I will respond with a mutually suitable date and time.

COURSE CONTACT

Course E-mail address: use the web site mail for course related questions. Anything of a sensitive nature may be addressed to the instructor's personal e-mail (dbellive@uwo.ca). Responses to inquiries via the web site email are sent to a mailbox on the web site and NOT to your personal account. Some external email services may encounter SPAM blocking or filtering. Important and timely information may not get to you if you are using another email service.

Web site address: <http://webct.uwo.ca>, Log onto WebCT OWL using your user name and password. You must be registered in this course to have access to the site and you must have an account established with UWO. All course-related materials are delivered through WebCT OWL.

COURSE EVALUATION

Exams will consist of multiple-choice questions and may include a combination of standard, k-type questions (multiple-multiple), n-type (long list) as well as short-answer questions. In addition there

DISEASE STUDY NOTES ASSIGNMENT

A complete description (including grading rubric) can be found under the assignment tab on WebCT. This is a group assignment where 10-12 students work together to create a set of comprehensive study notes on their assigned section. The study notes will contain all of the following key components:

1. A detailed account of the conditions and factors affecting the disease(s) discussed in the

I expect you to be on time for class, respect the instructor and your classmates when sharing an idea in class, and listen without disturbing others in class. I expect you to manage your electronic communications – incoming cell phone calls **will no be tolerated** so please set your phones to work in quiet mode. There is absolutely no need to tweet or post on facebook during class, nor check/send e-mail. I welcome the use of computers to take notes. I **do not condone** their use for surfing the web, chatting on MSN or other non-academic use while in class. It is disrespectful to me, your instructor,

A UWO Student Medical Certificate (SMC) is required where a student is seeking academic accommodation. This documentation should be obtained at the time of the initial consultation with the physician or walk-in clinic. An SMC can be downloaded under the Medical Documentation heading of the following website: <https://studentservices.uwo.ca/secure/index.cfm>.

Documentation is required for non-medical absences where the course work missed is more than 10% of the overall grade. Students may contact their Faculty Academic Counselling Office for what

COURSE ORGANIZATION

The course is divided into a number of sections where students can select the area of study of greatest interest to them. The first part of the course is designed to provide a background for all of the students in the course.

January	10	Course introduction and organization; the nature of disease
	12	Regional versus systemic disease
	17	Cancer
	19	Systemic conditions – inflammation, infection, lead poisoning
	24	Systemic disease – cystic fibrosis, leukemia
January	26	Pre-section exam (online exam; 15% of course grade) 1:30 – 2:30 PM (during regular class time)

SECTION Students will need to choose between musculoskeletal or central nervous system diseases. A signup sheet will be available on WebCT to join up into one of the systems.

Study notes assignment (group 1): Group 1 is responsible for creating a set of study notes on all of the information discussed during this seminar. The assignment is due on **February 17 at 1:30 PM via WebCT**

14 Section 1 online quiz (1:30 PM)

16 Seminar 2: Readings and discussion on nervous system diseases

22 Seminar 2: Readings and discussion on cardiovascular diseases

Study notes assignment (group 2): Group 2 is responsible for creating a set of study notes on all of the information discussed during this seminar. The assignment is due on **March 30 at 1:30 PM via WebCT**

SECTION 2 Students will need to choose