Western

School of Health Studies

HEALTHSCI 4320B
Human Embryology, Development, and Disease
WINTER 2024

INSTRUCTOR INFORMATION

Instructor:	Kelsey Adams, PhD	kelsey.adams@uwo.ca
Teaching Assistant:		

COURSE INFORMATION

Lectures:	Asynchronous (online); posted on OWL on Mondays.
Virtual Office Hours:	Fridays, 10:00–11:30 a.m., drop-in meetings welcome. Other meetings by appointment only.

COURSE DESCRIPTION

HEALTHSCI 4320B is an advanced human anatomy course that delves deep into the intricate processes of human development from fertilization to parturition. Students will acquire an advanced understanding of the key phenomena that occur during human embryonic and fetal development, and its impact on the eventual adult anatomy. The course will examine the origins of various tissues and organs throughout the stages of human development and how this leads to the development of major body systems, including the nervous, cardiovascular, respiratory, digestive, urinary, reproductive, and musculoskeletal systems. Clinical implications of abnormal development, such as congenital anomalies and developmental disorders, will be introduced and discussed from a morphological perspective. The course utilizes various assessments, including low stakes online quizzes, group discussion posts based on assigned journal club readings, a midterm, and final exam.

Prerequisite and Co-requisite Requirements:

The prerequisite for this course is HS 3300A/B or KIN 3222A/B. This foundation of knowledge is essential for your academic success. You are responsible for ensuring that you have successfully completed all course pre-requisites, and that you have not taken an anti-requisite course. Unless you have either therequisites for this course or written special permission from your Dean to enroll, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing

AND MATERIALS

expect to spend 9-10 hours a week in study/practice and online activity for HS 4320B (total time commitment 120 hours to complete the course). The lecture slides created by the P

peer-reviewed literature. The students will discuss the study rationale, methodologies, results, conclusions, as well as modern ethical and research issues. Students will post responses to the questions and will be responsible for critiquing the responses of their peers to foster academic discussion.

Final Exam (35%): The written exam will be completed during the exam period (date and time TBA).It will be comprised of multiple-choice and short answer questions. This exam will be cumulative and will cover all course materials.

COURSE SCHEDULE

The course will be delivered asynchronously online. Lectures will be posted on OWL on Mondays. Students will be notified in advance before any changes are made to the class schedule.

Week	Date	Chapters	Topics	Assessment
1	January 9	1	Course Introduction Gametogenesis Fertilization 1st Week of Development	Discussion Post 1 (Due January 26)
2	January 16	2 and 3	2nd Week of Development 3rd Week of Development	January 18-19: Quiz 1
3	[redacted]	4 and 6	4th Week of Development Fetal Development	January 25-26: Quiz 2
4	January 30	7 and 8		

where one or more examination is a take-home examination) cannot request alternative

Use of Recording Devices and Course Content

During Exams: Unless you have medical accommodations that require you to do so, or explicit permission from the instructor of the course, you may not use any electronic devices during ANY quizzes, midterms, examinations, or other in-class evaluations.

During Lectures: Although you are welcome to use a computer during lecture periods, you are expected to use the computer for scholastic purposes only, and refrain from engaging in any activities that may distract other students from learning. From time to time, your Professor may ask the class to turn off all computers, to facilitate learning or discussion of the material presented in a particular class.

WESTERN UNIVERSITY POLICIES

COVID-19 Contingency Plan for In-Person Class Pivoting to 100% Online Learning: In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience). The grading scheme will not

Are advised to consider carefully the implications of postponing tests or midtermexams or delaying handing in work;

Are encouraged to make appropriate decisions, based on their specific circumstances, recognizing that minor ailments (e.g., upset stomach) or upsets (e.g.,argument with a friend) are not normally an appropriate basis for a self-reported absence;

Must communicate with their instructors no later than 24 hours after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a