

Health Sciences

4320A



HUMAN EMBRYOLOGY, DEVELOPMENT AND DISEASE

Course Instructor: Daniel Belliveau, Ph.D.

School of Health Studies
Faculty of Health Sciences

2011

HS 4320A

Human Embryology, Development and Disease

COURSE ADMINISTRATION

	Assignment Due: October 19th, 2011		poster describing a clinical condition, its normal and abnormal development and potential resources for clients to explore (see assignment section for more details).
	Pre-lecture reviews	10%	A series of animations offered from the textbook resources or online will be reviewed and questions answered on WebCT prior to the pertinent class.

UNIVERSITY POLICIES

STUDENT CODE OF CONDUCT

The purpose of the Code of Student Conduct is to define the general standard of conduct expected of

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following website:
http://www.uwo.ca/univsec/handbook/appeals/scholastic_discipline_undergrad.pdf

Additionally,

1. All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>).
2. Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

SUPPORT SERVICES

There are various support services around campus and these include, but are not limited to:

1. Student Development Centre -- <http://www.sdc.uwo.ca/ssd/>
2. Student Health -- <http://www.shs.uwo.ca/student/studenthealthservices.html>
3. Registrar's Office -- <http://www.registrar.uwo.ca/>
4. Ombuds Office -- <http://www.uwo.ca/ombuds/>

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Course Schedule – Fall 2011

*Classes: Monday 9:30 – 11:30 and Wednesday 9:30 – 10:30
Health Sciences Building, room 35*

The Basics of Human Development

September 12, 2011	Chapter 2	Course introduction, embryology, gametogenesis
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Early Development

September 14, 2011	Chapter 3	First week of development
September 17, 2011	Chapter 4, 5	Second and third week of development

Embryonic Period

September 21, 2011	Chapter 6	Third to eighth week of development
September 26, 2011		Derivation of germ layers

Fetal Period

September 28, 2011	Chapter 7, 8	Placentation, fetal membranes, fetal development
October 3, 2011		Parturition, birth defects, diagnostic therapies

October 5, 2011

**Midterm exam (in class)
All lectures up to and including October 3, 2011**

Organogenesis

October 12, 2011	Chapter 17	Nervous system development	
October 17, 2011			
October 19, 2011	Chapter 12	Cardiovascular development	
October 24, 2011			2 groups
October 26, 2011		Group presentations	3 groups
October 31, 2011	TBD	Organ system 3	2 groups
November 2, 2011			2 groups

November 7, 2011	TBD	Organ system 4	2 groups
November 9, 2011			2 groups
November 14, 2011	TBD	Organ system 5	2 groups
November 16, 2011		Group presentations	3 groups
November 21, 2011	TBD	Organ system 5 (cont.)	2 groups
November 23, 2011	TBD	Organ system 6	2 groups
November 28, 2011			2 groups
November 30, 2011		Group presentations	3 groups
December 5, 2011	TBD	Organ system 7	
December 7, 2011		Course review	

December exam period

Final exam (cumulative exam)

Group presentation dates will be determined by the instructor

Organ systems 3-7 will be decided upon by the class by popular vote through WebCT. The systems will then be delivered in an order based upon greatest popularity. The following systems will be considered:

- Skeletal
- Muscular
- Body cavities
- Respiratory
- Digestive
- Urogenital
- Head and neck
- Special senses (ear/eye)