



ORIGINAL COURSE IMPLEMENTATION DATE: September 1995  
 REVISED COURSE IMPLEMENTATION DATE: September 2018  
 COURSE TO BE REVIEWED: (six years after UEC approval) March 2024  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

<b>Course Code and Number:</b> KIN 170		<b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>																	
<b>Course Full Title:</b> Basic Human Anatomy																			
<b>Course Short Title (if title exceeds 30 characters):</b>																			
<b>Faculty:</b> Faculty of Health Sciences		<b>Department (or program if no department):</b> Kinesiology																	
<b>Calendar Description:</b> <p>An introduction to human anatomy with particular emphasis on human movement. This course focuses on the basic structure and function of the majority of the body's organ systems.</p> <p>Note: Students with credit for KPE 170 cannot take this course for further credit.</p>																			
<b>Prerequisites (or NONE):</b>		None.																	
<b>Corequisites (if applicable, or NONE):</b>		None																	
<b>Pre/corequisites (if applicable, or NONE):</b>		None																	
<b>Equivalent Courses (cannot be taken for additional credit)</b> Former course code/number: <b>KPE 170</b> Cross-listed with: Equivalent course(s): <b>KPE 190, KPE 170</b> <i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>		<b>Transfer Credit</b> Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Transfer credit requested (OReg to submit to BCCAT): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> .																	
<b>Total Hours: 75</b> <b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture hours</td><td style="text-align: center;">40</td></tr> <tr><td>Seminars/tutorials/workshops</td><td></td></tr> <tr><td>Laboratory hours</td><td style="text-align: center;">35</td></tr> <tr><td>Field experience hours</td><td></td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;"><b>Total</b></td><td style="text-align: center;"><b>75</b></td></tr> </table>		Lecture hours	40	Seminars/tutorials/workshops		Laboratory hours	35	Field experience hours		Experiential (practicum, internship, etc.)		Online learning activities		Other contact hours:		<b>Total</b>	<b>75</b>	<b>Special Topics</b> Will the course be offered with different topics? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit <i>Note: The specific topic will be recorded when offered.</i>	
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<b>Total</b>	<b>75</b>																		
		<b>Maximum enrolment (for information only):</b> 36 <b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> seven times annually																	
<b>Department / Program Head or Director:</b> Alastair Hodges		<b>Date approved:</b> May 2017																	
<b>Faculty Council approval</b>		<b>Date approved:</b> May 2017																	
<b>Campus-Wide Consultation (CWC)</b>		<b>Date of posting:</b> February 9, 2018s																	
<b>Dean/Associate VP:</b> Joanne MacLean		<b>Date approved:</b> May 2017																	
<b>Undergraduate Education Committee (UEC) approval</b>		<b>Date of meeting:</b> March 23, 2018																	

**Learning Outcomes**

Upon successful completion, students will be able to:

1. Discuss basic and general anatomical terminology;
2. Explain cellular structure and function of tissue types;
3. Discuss the integumentary system;
4. Describe the skeletal system, including anatomical knowledge of bones and joints;
5. Describe the muscular system, including knowledge of the major muscles and their actions;
6. Describe the circulatory system, including blood, the heart, the cardiac cycle and vascular anatomy;
7. Explain the respiratory system, including the mechanisms of inhalation and exhalation;
8. Explain the digestive system, including mechanical and chemical digestion and accessory glands;
9. Describe the urinary system, including the structure of the nephron and urine composition;
10. Explain the nervous system, including neurons, neuroglia, and the structure of the brain and spinal cord;
11. Identify the endocrine system, including the major glands and their secretions.

**Prior Learning Assessment and Recognition (PLAR)**

Yes     No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lecture: audiovisual and/or online presentation; computer interaction (integral to online sections and labs); class participation/discussion (some group work involved)

Laboratory experiences: practical application of lecture material involving models, diagrams, and use of relevant laboratory equipment

**Grading system:** Letter Grades:  Credit/No Credit:     Labs to be scheduled independent of lecture hours: Yes  No

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1.		<input type="checkbox"/>		
2.	Tortora & Martini Principles of Human Anatomy	<input checked="" type="checkbox"/>	Wiley	2014
3.		<input type="checkbox"/>		
4.		<input type="checkbox"/>		
5.		<input type="checkbox"/>		

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

Laboratory space is provided along with anatomical charts, models, and computer simulations.

**Typical Evaluation Methods and Weighting**

Final exam:	20%	Assignments:	%	Midterm:	40%	Practicum:	%
Quizzes/tests:	%	Lab work:	40%	Field experience:	%	Shop work:	%
Other:	%	Other:	%	Other:	%	Total:	100%

**Details (if necessary):**

**Typical Course Content and Topics**

- Organization of the human body and basic anatomical terminology
- Basic cell structure and function and histology (introduction to the four tissue groups)
- Integumentary system: structure of the epidermis, dermis, and hypodermis
- Skeletal system
  - axial and appendicular skeleton
  - gross and microscopic structure of bone
  - types of bone
  - skeletal anatomy by region
  - articulations (classifications) and synovial joint structure
- Muscular system
  - gross and microscopic structure of muscle
  - skeletal muscle anatomy (by region)
  - origins, insertions, and actions
- Circulatory system
  - blood cells and plasma
  - anatomy of the heart
  - cardiac cycle
  - vascular anatomy

- Respiratory system
  - upper respiratory anatomy
  - lung anatomy: gross and cellular (respiratory membrane)
  - inspiration and expiration (muscles involved)
  - respiratory air volumes
- Digestive system
  - upper digestive tract anatomy
  - stomach
  - lower digestive tract anatomy
  - basic structure and function of the accessory glands
- Urinary system
  - gross anatomy of the urinary system
  - anatomy of the kidney
  - anatomy of the nephron
  - urine composition
- Nervous system
  - classification of neurons
  - classification of neuroglia
  - structure of the brain
  - structure of the spinal cord
- Endocrine system
  - major gland of the body
  - secretions of each gland
  - hypothalamus and pituitary anatomy