

## PEDS 100- Structural Anatomy

3 credits, 16 weeks, 5 hours per week (3 hours lecture, 2 hours lab)

Official course description:

Introductory study of human anatomy. Students learn structural and functional components of selected systems of the human body.

*Prerequisites and/or co-requisites:* None

### Instructor

Michael Scarlett

Office location: S213E

Phone number: (780) 791-4824

[michael.scarlett@keyano.ca](mailto:michael.scarlett@keyano.ca)

### Office Hours

	Time
Monday	15:00 -15:50
Tuesday	15:00 -15:50
Friday	13:00 -15:50

### Hours of Instruction

Day	Location	Time
Monday	SSWC 2323	13:00 – 14:50
Tuesday	SSWC 2323	14:00 – 14:50
Wednesday	CC195	13:00 – 14:50 Laboratory

### Required Resources

Behnke, Robert S. (2012) *Kinetic Anatomy* (3rd edition). Windsor, ON: Human Kinetics.

### Recommended Readings

Martini, F.H., Nath, J. L., Bartholomew. E.F.(2015) *Fundamentals of Anatomy and Physiology* (10<sup>rd</sup> edition). San Francisco CA: Pearson Benjamin Cummings.

Contreras, B. *Body Weight Strength Training Anatomy*. Windsor, ON. Human Kinetics.

### Course Outcomes

1. Develop a general knowledge of anatomical terminology for use in the description of human structure and movement;
2. Develop a foundation knowledge of selected anatomical structures; and
3. Develop the ability to use anatomical reference sources to assist in the further study of sporting injuries, sports reconditioning, strength training, human structure and body function.

### Evaluation

<b>Lab:</b>		
Lab quizzes	10% (10 x 1%)	
Practical Exams	15% (2 x 7.5%)	(February 18 <sup>th</sup> , April 7 <sup>th</sup> )
Unexcused absences	- 5% each	
<b>Lecture:</b>		
Midterm Exam 1	20%	(January 26 <sup>th</sup> )
Midterm Exam 2	25%	(March 8 <sup>th</sup> )
Final Exam	30%	(Exam week)
<b>Total</b>	<b>100%</b>	

A grade of **C-** is required for progression or transfer.

**Grading System**

Descriptor	Alpha Grade	4.0 Scale	Percent	Rubric for Letter Grades
Excellent	A+	4.0	> 92.9	Work shows in-depth and critical analysis, well developed ideas, creativity, excellent writing, clarity and proper format.
	A	4.0	85 – 92.9	
	A-	3.7	80 – 84.9	
Good	B+	3.3	77 – 79.9	Work is generally of high quality, well developed, well written, has clarity, and uses proper format.
	B	3.0	74 – 76.9	
	B-	2.7	70 – 73.9	
Satisfactory	C+	2.3	67 – 69.9	Work has some developed ideas but needs more attention to clarity, style and formatting.
	C	2.0	64 – 66.9	
	<b>Progression</b>	C-	1.7	
Poor	D+	1.3	55 – 59.9	Work is completed in a general way with minimal support, or is poorly written or did not use proper format.
<b>Minimum Pass</b>	D	1.0	50 – 54.9	
Failure	F	0.0	< 50	Responses fail to demonstrate appropriate understanding or are fundamentally incomplete.

**Important Dates:**

January 11 <sup>th</sup> , 2016	Last day to add for fall semester. Fees due
January 18 <sup>th</sup> , 2016	Courses dropped by this date will be designated “W” and you will receive a full refund. <i>(a withdrawal “W” is not reflected in your GPA)</i>
February 12 <sup>th</sup> , 2016	Courses dropped by this date will be designated “W” and you will receive a 50% refund.
February 22 <sup>nd</sup> to 26 <sup>th</sup> , 2016	Reading Week (no classes)
March 29 <sup>th</sup> , 2016	Courses dropped by this date will be designated “W”.
April 15 <sup>th</sup> , 2016	Last day of Class
April 18 <sup>th</sup> to 22 <sup>nd</sup> , 2016	Final Exams

## Proposed Schedule of Topics

	<u>Topic</u>	<u>Kinetic Anatomy</u> <u>3<sup>rd</sup> edition</u>	<u>Fundamentals A &amp; P</u> <u>10<sup>th</sup> edition</u>
Week 1	<ul style="list-style-type: none"> <li>Organization of the Human Body (<i>NO LABS THIS WEEK</i>)</li> </ul>	Chapter 1 & 2	Chapters 1,2,3 & 29
Week 2	<ul style="list-style-type: none"> <li>Tissues</li> </ul>	Chapter 1 & 2	<i>Selection of</i> Chapter 4,6,10,11,12
Week 3	<ul style="list-style-type: none"> <li>Joints</li> <li>Upper Extremity: Shoulder</li> </ul>	Chapter 3	Chapter 9 Chapter 8 pg243-250 Chapter 11 pg358-369
Week 4	<ul style="list-style-type: none"> <li>Upper Extremity: Elbow and Forearm</li> <li><b>Midterm #1 (Week 1-4)</b></li> </ul>	Chapter 4	Chapter 8 pg243-250 Chapter 11 pg358-369
Week 5	<ul style="list-style-type: none"> <li>Upper Extremity: Wrist and Hand</li> </ul>	Chapter 5	Chapter 8 pg243-250 Chapter 11 pg358-369
Week 6	<ul style="list-style-type: none"> <li>Upper Extremity: Blood Vessels and Nerves</li> <li>The Pelvis</li> </ul>	Chapter 6 & 8 (pg 159-164)	Chapter 8 pg250-253 Chapter 13 pg442-447 Chapter 21 Pg755-771
Week 7	<ul style="list-style-type: none"> <li>Lower Extremity: Hip and Thigh</li> <li>Lower Extremity: Knee</li> <li><b>Lab Bell Ringer 1</b></li> </ul>	Chapter 11 & 12	Chapter 8 pg254-259 Chapter 11 pg369-379
Week 8	<ul style="list-style-type: none"> <li><b>READING WEEK</b></li> </ul>	Reading: The Outer Unit	
Week 9	<ul style="list-style-type: none"> <li>Lower Extremity: Lower Leg, Ankle &amp; Foot</li> </ul>	Chapter 13	Chapter 8 pg254-259 Chapter 11 pg369-379
Week 10	<ul style="list-style-type: none"> <li>Lower Extremity: Blood Vessels and Nerves</li> <li><b>Midterm #2 (Week 5-9)</b></li> </ul>	Chapter 14	Chapter 13 pg442-447 Chapter 21 Pg755-771
Week 11	<ul style="list-style-type: none"> <li>The Spinal Column and Thorax</li> </ul>	Chapter 8, 9 & 10	Chapter 7 pg226-237 Chapter 11 pg351-357 Chapter 13 pg430-441
Week 12	<ul style="list-style-type: none"> <li>The Head</li> </ul>	Chapter 7 & 10	Chapter 7 Pg207-226 Chapter 20 Pg685-700
Week 13	<ul style="list-style-type: none"> <li>Cardiovascular: Heart</li> </ul>	Chapter 10	Chapter 20 Pg685-700 <i>Anatomy only</i>
Week 14	<ul style="list-style-type: none"> <li>Cardiovascular: Blood</li> <li>Respiratory System and Lungs</li> <li><b>Lab Bell Ringer 2</b></li> </ul>	Chapter 10	Chapter 19 Chapter 23 Pg841-847 <i>Anatomy only</i>
Week 15	<ul style="list-style-type: none"> <li>Lymphatic, Digestive and Urinary Systems</li> </ul>	-	Chapter 22 Chapter 24 Chapter 26 <i>Anatomy only</i>

Lab Schedule

	<u>Topic</u>
Week 1	No labs
Week 2	Lab 1 - Terminology, Osteology and Arthrology
Week 3	Lab 2 - Upper Appendicular 1
Week 4	Lab 3 - Upper Appendicular 2
Week 5	Lab 4 - Upper Appendicular 3
Week 6	Lab 7 - Trunk
Week 7	<b>Bell Ringer</b>
Week 8	READING WEEK
Week 9	Lab 5 - Lower Appendicular 1
Week 10	Lab 6 - Lower Appendicular 2
Week 11	Lab 8 - Skull & CNS
Week 12	Lab 9 – Cardio-Respiratory Systems
Week 13	<b>Review</b>
Week 14	<b>Bell Ringer</b>
Week 15	Lab X – The Outer Unit

**Please Note:**

Date and time allotted to each topic is subject to change. It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the Keyano College Credit Calendar.

**Performance Requirements****Lab Policy**

Attendance is taken at each lab period. It is **MANDATORY** that you attend every lab throughout the term. There will be **5% deduction** from the final lab mark for every missed lab. Students are able to miss one lab with a written reason (i.e. death in the family, extreme sickness). Athletics is NOT a reason to miss labs.

Students should come dressed in gym strip to all designated lab activities and students are encouraged to actively participate in every lab session in learning the methods, performing techniques, answering questions directed by the lab instructor, discussing the procedures, working with peers and helping with cleaning the lab area after each lab.

**Student Attendance**

Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and / or notes that may be due.

### **Academic Misconduct**

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism or the submission of another person's work as one's own
  - Please see link to "Plagiarism Tutorial/Certificate" under the "STUDENT" area on the following link <http://ilearn.keyano.ca/>
- The use of unauthorized aids in assignments or examinations (cheating)
- Collusion or the unauthorized collaboration with others in preparing work
- The deliberate misrepresentation of qualifications
- The willful distortion of results or data
- Substitution in an examination by another person
- Handing in the same unchanged work as submitted for another assignment

Penalties for academic offences range from a verbal reprimand to dismissal from the College, and in certain circumstances may involve legal action.

### **Specialized Supports**

#### **Counselling and Disability Services**

Counselling Services provides a wide range of specialized counselling services to prospective and registered students, including personal, career and academic counselling.

#### **SKILL Centre**

The SKILL Centre is a learning space in the Clearwater Campus at Keyano College where students can gather to share ideas, collaborate on projects and get new perspectives on learning from our tutorial staff.

The SKILL Centre, through a variety of delivery methods, provides assistance in skill development to Keyano students. Assistance is provided by instructors, staff and student tutors. Individuals wishing to improve their mathematics, writing, grammar, study, or other skills, can take advantage of this unique service.

**Authorization**

This course outline has been reviewed and approved by the Program Chair.

\_\_\_\_\_  
 Michael, Scarlett, Instructor

\_\_\_\_\_  
 Louis Dingley, Chair, University Studies Date Authorized

\_\_\_\_\_  
 Guy Harmer, Dean, School of Arts, Science, Business & Education Date Authorized

\_\_\_\_\_  
 Vincella Thompson, Dean, School of Health, Wellness and Human Service Date Authorized

**Signed copies to be delivered to:**  
 Instructor  
 Registrar's Office