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

Office Hours
Monday 15:00 -15:50
Tuesday 15:00 -15:50
Friday 13:00 -15:50

Hours of Instruction

<table>
<thead>
<tr>
<th>Day</th>
<th>Location</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Monday</td>
<td>SSWC 2323</td>
<td>13:00 – 14:50</td>
</tr>
<tr>
<td>Tuesday</td>
<td>SSWC 2323</td>
<td>14:00 – 14:50</td>
</tr>
<tr>
<td>Wednesday</td>
<td>CC195</td>
<td>13:00 – 14:50 Laboratory</td>
</tr>
</tbody>
</table>

Required Resources


Recommended Readings


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
Lab:
Lab quizzes 10% (10 x 1%) (February 18th, April 7th)
Practical Exams 15% (2 x 7.5%) (February 18th, April 7th)
Unexcused absences - 5% each

Lecture:
Midterm Exam 1 20% (January 26th)
Midterm Exam 2 25% (March 8th)
Final Exam 30% (Exam week)

Total 100%

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

Grading System

<table>
<thead>
<tr>
<th>Descriptor</th>
<th>Alpha Grade</th>
<th>4.0 Scale</th>
<th>Percent</th>
<th>Rubric for Letter Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>A+</td>
<td>4.0</td>
<td>&gt; 92.9</td>
<td>Work shows in-depth and critical analysis, well developed ideas, creativity, excellent writing, clarity and proper format.</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>4.0</td>
<td>85 – 92.9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A-</td>
<td>3.7</td>
<td>80 – 84.9</td>
<td></td>
</tr>
<tr>
<td>Good</td>
<td>B+</td>
<td>3.3</td>
<td>77 – 79.9</td>
<td>Work is generally of high quality, well developed, well written, has clarity, and uses proper format.</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>3.0</td>
<td>74 – 76.9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B-</td>
<td>2.7</td>
<td>70 – 73.9</td>
<td></td>
</tr>
<tr>
<td>Satisfactory</td>
<td>C+</td>
<td>2.3</td>
<td>67 – 69.9</td>
<td>Work has some developed ideas but needs more attention to clarity, style and formatting.</td>
</tr>
<tr>
<td>Progression</td>
<td>C</td>
<td>2.0</td>
<td>64 – 66.9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C-</td>
<td>1.7</td>
<td>60 – 63.9</td>
<td></td>
</tr>
<tr>
<td>Poor</td>
<td>D+</td>
<td>1.3</td>
<td>55 – 59.9</td>
<td>Work is completed in a general way with minimal support, or is poorly written or did not use proper format.</td>
</tr>
<tr>
<td>Minimum Pass</td>
<td>D</td>
<td>1.0</td>
<td>50 – 54.9</td>
<td></td>
</tr>
<tr>
<td>Failure</td>
<td>F</td>
<td>0.0</td>
<td>&lt; 50</td>
<td>Responses fail to demonstrate appropriate understanding or are fundamentally incomplete.</td>
</tr>
</tbody>
</table>

Important Dates:

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

|------|-------|----------------------------|---------------------------------|
| 1    | • Organization of the Human Body  
(NÔ LABS THIS WEEK) | Chapter 1 & 2 | Chapters 1,2,3 & 29 |
| 2    | • Tissues | Chapter 1 & 2 | Selection of Chapter 4,6,10,11,12 |
| 3    | • Joints  
• Upper Extremity: Shoulder | Chapter 3 | Chapter 9  
Chapter 8 pg243-250  
Chapter 11 pg358-369 |
| 4    | • Upper Extremity: Elbow and Forearm  
• **Midterm #1 (Week 1-4)** | Chapter 4 | Chapter 8 pg243-250  
Chapter 11 pg358-369 |
| 5    | • Upper Extremity: Wrist and Hand | Chapter 5 | Chapter 8 pg243-250  
Chapter 11 pg358-369 |
| 6    | • Upper Extremity: Blood Vessels and Nerves  
• The Pelvis | Chapter 6 & 8 (pg 159-164) | Chapter 8 pg250-253  
Chapter 13 pg442-447  
Chapter 21 Pg755-771 |
| 7    | • Lower Extremity: Hip and Thigh  
• Lower Extremity: Knee  
• **Lab Bell Ringer 1** | Chapter 11 & 12 | Chapter 8 pg254-259  
Chapter 11 pg369-379 |
| 8    | • READING WEEK | **Reading:** The Outer Unit | |
| 9    | • Lower Extremity: Lower Leg, Ankle & Foot | Chapter 13 | Chapter 8 pg254-259  
Chapter 11 pg369-379 |
| 10   | • Lower Extremity: Blood Vessels and Nerves  
• **Midterm #2 (Week 5-9)** | Chapter 14 | Chapter 13 pg442-447  
Chapter 21 Pg755-771 |
| 11   | • The Spinal Column and Thorax | Chapter 8, 9 & 10 | Chapter 7 pg226-237  
Chapter 11 pg351-357  
Chapter 13 pg430-441 |
| 12   | • The Head | Chapter 7 & 10 | Chapter 7 Pg207-226  
Chapter 20 Pg685-700 |
| 13   | • Cardiovascular: Heart | Chapter 10 | Chapter 20 Pg685-700  
**Anatomy only** |
| 14   | • Cardiovascular: Blood  
• Respiratory System and Lungs  
• **Lab Bell Ringer 2** | Chapter 10 | Chapter 19  
Chapter 23 Pg841-847  
**Anatomy only** |
| 15   | • Lymphatic, Digestive and Urinary Systems | - | Chapter 22  
Chapter 24  
Chapter 26  
**Anatomy only** |
Lab Schedule

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

**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