Fall 9-1-2001

PT 465.01: Applied Clinical Anatomy and Kinesiology Laboratory

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PT 465 - APPLIED CLINICAL ANATOMY AND KINESIOLOGY LABORATORY  
(Fall Semester, 2001)

I. **Credits**: 1 Credit, Clock Hours ∀ 55, Coreq. with PT 464

II. **Class Meets**: T - 10:10-12:00, SB 020  
    Th - 1:10-2:00, 2:10-3:00 or  
    3:10-4:00 in SB 050 (Anatomy Laboratory)(Class divided into 3 sections)

III. **Professor**: Rich Gajdosik, Office SB 103  
     Phone: (W) 243-4753/5183 (H) 251-0266

IV. **Course Description**: Clinical applications of PT 464. Laboratory time for practical applications includes prosected cadavers, surface anatomy, basic muscle testing, functional analysis of movement, applied clinical anatomy, and radiology.

V. **Required Textbooks & Equipment**: As required for PT 464 Plus:

   Laboratory Manual compiled by RL Gajdosik - Available for purchase at UC Bookstore  
   (Listed under PT 465)

   Atlas of Human Anatomy by Frank Netter

   Erasable marking pen, Long white clean lab coat, rubber gloves & probe for anatomy lab

VI. **Examinations and Grading Procedures**:

   Midterm Radiology Exam - Not counted

   Midterm Palpation Exam - Pass/No Pass (≥70 %)

   Final Radiology Exam - 50 points  
   Final Cadaver Exam - 50 points  
   Final Palpation/Practical Exam - 50 points

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   Total 150 points

   Grades are based on the total percentage of points:  
   90-100% = A  
   80-89% = B  
   70-79% = C

   The passing level is ≥ 70% on each test.
VII. **Teaching methods and learning experiences:** Demonstrations, cadaver presentations, independent learning using cadavers, radiographs, laboratory partners for palpation models, questions and answers, and quizzes and tests.

**Course Schedule:** Readings outlined for PT 364 correspond to content areas for each laboratory

<table>
<thead>
<tr>
<th>Week Number (Dates)</th>
<th>Tuesday Mornings, 10:10-12:00, SB 020; Contents=Lab Manual</th>
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</thead>
<tbody>
<tr>
<td>1 (Sept 4)</td>
<td>Introduction to Course and Radiology</td>
</tr>
<tr>
<td>2 (Sept 11)</td>
<td>Spinal Column and Musculature (B &amp; VC I)</td>
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<tr>
<td>3 (Sept 18)</td>
<td>Vertebral Canal and Contents (B &amp; VC II)</td>
</tr>
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<td>4 (Sept 25)</td>
<td>Thoracic Cage and Pectoral Region, The Anterior Abdominal Wall</td>
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<tr>
<td>5 (Oct 2)</td>
<td>Axilla, Shoulder Girdle, Shoulder Muscles, Associated Nerves (UL I &amp; II)</td>
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<tr>
<td>6 (Oct 9)</td>
<td>Flexor and Extensor Compartments of Arm, Shoulder Joint (UL III)</td>
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<tr>
<td>7 (Oct 16)</td>
<td>Flexor Surface of Forearm and Hand (UL IV)</td>
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<tr>
<td>8 (Oct 23)</td>
<td>MIDTERM RADIOLOGY EXAM (1st hr), PALPATION EXAM (Scheduled outside of class time) Lab Second hour: Palm (UL V)</td>
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<tr>
<td>9 (Oct 30)</td>
<td>Extensor Surface of Forearm and Hand: Joints of Elbow, Wrist, Hand (UL VI)</td>
</tr>
<tr>
<td>10 (Nov 6)</td>
<td>Pelvis Osteology and Applied Clinical Anatomy: Anterior, Lateral, and Medial Aspects of Thigh (Pelvis &amp; LL I)</td>
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<tr>
<td>11 (Nov 13)</td>
<td>Gluteal Region, Hip, Posterior Thigh, Popliteal Fossa, Posterior Compartment of Leg and the Knee Joint (LL II &amp; III)</td>
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<tr>
<td>12 (Nov 20)</td>
<td>Anterior and Lateral Compartment of Leg, Dorsal Surface of Foot (LL IV)</td>
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<tr>
<td>13 (Nov 27)</td>
<td>Plantar Surface of Foot, Ankle Joint (LL V)</td>
</tr>
<tr>
<td>14 (Dec 4)</td>
<td>Muscles of Facial Expression &amp; Cranium (Lab outline to be developed)</td>
</tr>
<tr>
<td>15 (Dec 11)</td>
<td>Cranium cont. &amp; Cranial Nerves (Lab outline to be developed) NOTE: Final Palpation/Practical Exams Start this week</td>
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</table>

**Finals Week** FINAL RADIOLOGY EXAM AND FINAL CADAVER EXAM (NOTE: FINAL PALPATION PRACTICAL will be scheduled before and during finals week)
Week Number (Dates): Thursday Afternoons, In Anatomy Laboratory, SB 050
1:10-2:00, 2:10-3:00 or 3:10-4:00,

1 (Sept 6) Onsite orientation to Anatomy Lab (SB 050)
2 (Sept 13) Back Muscles associated with the Upper Limb
3 (Sept 20) Breathing muscles & muscles of the back proper
4 (Sept 27) Spinal cord & suboccipital triangle
5 (Oct 4) Pectoral region, breast & anterior abdominal wall
6 (Oct 11) Deltoid & scapular region
7 (Oct 18) Axilla & brachium
8 (Oct 25) Antebrachium
9 (Nov 1) The hand
10 (Nov 8) Posterior abdominal wall & thigh (ant, lat, med)
11 (Nov 15) Gluteal region & posterior thigh
12 (Nov 29) Knee & leg
13 (Dec 6) The foot
14 (Dec 13) Muscles of facial expression, cranium and brain & Review for final exam

NOTE: Palpation/Practical Exams Start this week