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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

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

Week Number (Dates): Tuesday Mornings, 10:10-12:00, SB 020; Contents=Lab Manual

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