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PT 464.01: Applied Clinical Anatomy and Kinesiology

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PT 464 - APPLIED CLINICAL ANATOMY AND KINESIOLOGY
(Fall Semester, 2000)

I. Credits: 4 Credits, Clock Hours \pm 55

II. Class Meets: MWF - 11:10-12:00, CP 204
Th - 8:10- 9:00, CP 204

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

IV. Course Description: Anatomy and kinesiology of the neuromusculoskeletal system in relation to movement, function and clinical correlates.

V. Required Textbooks:

Moore KL: Clinically Oriented Anatomy, 3rd Ed., Williams and Wilkins, Baltimore, MD, 1992

Smith LK, Weiss EL, Lehmkuhl LD: Brunnstrom's Clinical Kinesiology, 5th Ed., F. A. Davis Company, Philadelphia, PA, 1996 (Optional: must be ordered)

Dorland's Illustrated Medical Dictionary (Curricular Text)

VI. Course Requirements, Examinations and Grading Procedures:

1) Midterm Written Exam - 100 Points

2) Final Written Exam - 200 Points

300 Points Total

Grades will be based on the total percentage of points:

90-100% = A

80- 89% = B

70- 79% = C The passing level is \geq 70% on each test.

VII. Teaching methods and learning experiences: Lectures and demonstrations with the use of slide projections, overhead projections and models, and the use of films, quizzes, tests, questions and answers, and independent study.

VII. Course Schedule: Readings from KL Moore unless otherwise indicated

Orientation to PT 464 and PT 465

Skeletal Muscle Anatomy and Physiology; Towards the understanding of the Interaction of Mechanical and Physiological phenomena.

Spinal Column and Musculature (pp 1-27, 323-370)

Vertebral Canal and Contents (pp 323-370 cont.)

Thoracic Cage and Pectoral Region, The Anterior Abdominal Wall (pp 33-59, 127-151)

Axilla, Shoulder Girdle, Shoulder Muscles, Associated Nerves (pp 501-538)

Flexor and Extensor Compartments of Arm, Shoulder Joint, Flexor Surface of Forearm and Hand (pp 539-580, 607-615)

Palm, Extensor Surface of Forearm and Hand: Joints of Elbow, Wrist, Hand (pp 581-606, 616-635)

MIDTERM EXAM: Scheduled about here

Pelvis Osteology and Applied Clinical Anatomy: Anterior, Lateral, and Medial Aspects of Thigh (pp 373-407)

Gluteal Region, Hip, Posterior Thigh, Popliteal Fossa, Posterior Compartment of Leg and the Knee Joint (pp 407-459)

Anterior and Lateral Compartment of Leg, Dorsal Surface of Foot, Plantar Surface of Foot, Ankle Joint (pp 407-459, 460-497)

Thoracic Cavity, Mechanics of Breathing, Lungs (pp 33-79)

Mediastinum and Contents, Heart (pp 79-127)

FINAL EXAM: As Scheduled by The University