

..... CLINICAL ANATOMY OF THE BACK AND LIMBS
ZOO 5371 + L

(Lecture MWF/12:00 - 12:50)
(Lab. TR/9:30 - 12:15)
(GL 523)

OBJECTIVES

At the end of the course, students should have a solid working knowledge of the functional anatomy of the back and limbs including osteology, arthrology, myology, neurology, angiology and dermatology. They will also understand the anatomical bases of the following clinical conditions:

- abnormal vertebral curves
- vertebral fractures
- degenerative disk disease
- disk herniations
- sciatica
- spondylolisthesis
- common fractures of all major limb bones
- rotator cuff injuries
- shoulder separations and dislocations
- carpal tunnel syndrome
- Dupuytren's contracture
- horseshoe abscesses
- brachial plexus lesions
- hip and knee joint replacements
- femoral triangle trauma
- the "unhappy triad" of the knee
- ankle sprains
- common sites of bursitis and osteoarthritis
- lumbosacral plexus lesions

TEXTBOOKS

20. Hollinshead's Functional Anatomy of the Limbs and Back
D. B. Jenkins
7th Ed.
Saunders, 1998
21. Atlas of Anatomy: General Anatomy and Musculoskeletal System
M. Schuenke, et. al.
Thieme, 2006
22. Lecture Supplements
Book Store

INSTRUCTOR

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* Office hours: 11:00 - 11:55 MWF
12:30 - 1:55 TR

EXAMINATIONS/EVALUATIONS

There will be **3** written and **2** laboratory practical exams given during "exam weeks" as follows:

Back (exam week: Sept. 24-28):
Practical (group A) - Sept. 25
Practical group B) - Sept. 27
Written (both groups) - Sept. 28

Pectoral Limb (exam week: Oct. 29 - Nov. 2)
Practical (group A) - Oct. 30
Practical (group B) - Nov. 1
Written (both groups) - Nov. 2

Pelvic Limb (exam week: Dec. 10 - 14)
Practical (group A) - Nov. 11
Practical (group B) - Nov. 13
Written (both groups) - Nov. 14

The Drop Date for the course is F Nov. 2 (the date of the second written exam). The exam dates cited above are "written in stone" and can not be changed for any reason, even if it means you have 10 other exams on the same dates. If there is a conflict with the exam dates, you must drop the course now. If you miss an exam for a legitimate reason (hospitalization, traffic accident, death in the family, jury duty alien abduction ...) You must present official documentation to Dr. George from your physician, police officer, mortician, judge, extraterrestrial You will then receive a grade of **Incomplete** and must repeat the course the following year. Failure to take an exam without official documentation will result in a grade of **F**. There will be **no makeup exams or extra credit projects**. In short, **don't miss an exam**.

All grades are **final**. If you miss a higher grade by one point - so be it. Such is the nature of statistics. Grades will be assigned according to the Dept. of Physical Therapy, as follows:

A = 95-100
A- = 90-94

B+ = 88-89
B = 85-87
B- = 80-84

C+ = 78-79
C = 75-77
C- = 70-74

D+ = 68-69
D = 65-67
D- = 60-64

F = 0 - 59

CLINICAL ANATOMY OF THE BACK AND LIMBS

August

- 27 M - Course Introduction
- 28 T- (A) Lab Open House
- 29 W - Tissues, Organs, Systems and Regions
- 30 R - (B) Lab Open House
- 31 F - Man's Place in Nature

Sept.

- 3 M - LABOR DAY
- 4 T - (A) Integumentary System
- 5 W - Spinal Cord; Somatic Nerves
- 6 R - (B) Integumentary System
- 7 F - ANS; Visceral Nerves

- 10 M - Vertebral Column and Thorax
- 11 T - (A) VC-T
- 12 W - Joint Classification
- 13 R - (B) VC-T
- 14 F - Clinical Anatomy of the VC-T

- 17 M - Superficial and Deep Back Muscles
- 18 T - (A) Back Muscles
- 19 W - Functional Anatomy
- 20 R - (B) Back Muscles
- 21 F - Clinical Anatomy of the Back

- 24 M - Practical Exam Review (slides/overlays)
- 25 T - (A) Practical I (Group A)
- 26 W - Written exam Review
- 27 R - (B) Practical I (Group B)
- 28 F - Written Exam I

Oct.

- 1 M - Pectoral and Shoulder Regions
- 2 T - (A) Pectoral and Shoulder Regions
- 3 W - Exam Review; Shoulder Joints
- 4 R - (B) Pectoral and Shoulder Regions
- 5 F - Clinical Anatomy

- 8 M - Axilla; Brachial Plexus
- 9 T - (A) Axilla
- 10 W - Dermatomes vs. Cutaneous Nerves; Collateral Circulation
- 11 R - (B) Axilla
- 12 F - Clinical Anatomy

- 15 M - Arm and Forearm
- 16 T - (A) Arm and Forearm
- 17 W - Elbow and Wrist Joints
- 18 R - (B) Arm and Forearm
- 19 F - Clinical Anatomy

22 M - Hand
23 T - (A) Hand
24 W - Functional Anatomy
25 R - (B) Hand
26 F - Clinical Anatomy; Brachial Plexus Lesions

29 M - Practical Exam Review
30 T - (A) Practical II (Group A)
31 W - Written Exam Review

Nov.

1 R - Practical II (Group B)
2 F - Written Exam II

5 M - Pelvis; Gluteal Region
6 T - (A) Pelvis; Gluteal Region
7 W - Lumbo-Sacral Plexus
8 R - (B) Pelvis; Gluteal Region
9 F - Thigh

12 M - VETERAN'S DAY HOLIDAY
13 T - (A) Thigh
14 W - Hip and Knee Joints
15 R - (B) Thigh
16 F - Clinical Anatomy

19 M - Evolution of Human Bipedalism
20 T - (A) No LAB
21 W - Bigfoot?!
22 R - THANKSGIVING HOLIDAYS
23 F - THANKSGIVING HOLIDAYS

26 M - Leg
27 T - (A) Leg
28 W - Ankle and Foot Joints
29 R - (B) Leg
30 F - Clinical Anatomy

Dec.

3 M - Foot
4 T - (A) Foot
5 W - Clinical Anatomy
6 R - (B) Foot; CLASSES END
7 F - (NO CLASS) ? Bigfoot!

10 M - Practical Exam Review
11 T - (A) Practical III (Group A)
12 W - Written Exam Review
13 R - (B) Practical Exam III (Group B)
14 F - Written Exam III

19 W - GRADES DUE