

THE COLLEGE OF WILLIAM AND MARY
DEPARTMENT OF KINESIOLOGY & HEALTH SCIENCES

KINE 303, Human Anatomy
Fall 2011
Course Blackboard website: Use it !

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by appt.
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Course Description

The course is designed to provide the student with a detailed view of the human body. Emphasis will be placed on the skeletal, articular, muscular, cardiorespiratory, and nervous systems of the body. The digestive, urinary, and reproductive systems are also covered. Laboratory experiences in the accompanying courses KINE 314 and KINE 315 include cadaver dissection.

Objectives of the Course

Upon successful completion of this course the student will:

1. Describe, in detail, the skeletal, articular, nervous, and muscular systems of the human body.
2. Describe the major components of the circulatory, digestive, respiratory, urinary, and reproductive systems.
3. Understand anatomical terms of direction and movement.
4. Relate the muscles and bones seen in the laboratory dissection to those of the living body.
5. Relate the contraction of muscles with the movements that are produced.

Required Text

Martini, F., M. Timmons, & R. Tallitsch. (2012). Human Anatomy, 7th ed.,
Pearson Benjamin Cummings Publisher.

McCoy, R. (2011). Human Anatomy Lecture Notes. William and Mary Bookstore.

Grading

Exam 1	23%
Exam 2	23%
Exam 3	23%
Final	23%
Movement Analyses	8%

Electronic devices, including computers, may not be used during lectures or exams. You are expected to be at every lecture and you will be responsible for any material presented in class.

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Lecture Schedule

Fall 2011

DATE	TOPIC	TEXT PAGES
August		
24	Introduction, organization of the body Tissues of the body – epithelium	1 - 26 53 - 89
26	Tissues of the body – connective, cartilage	69 – 89
29	Osteology	115 - 138
31	Integumentary system	90 - 114
September		
2 5	Arthrology Knee joint	211 - 242 231 - 234
7 9	Myology	243 - 266
12	Muscles controlling the knee joint	311 - 315
14	<u>Exam 1</u>	
16	Ankle and foot joints	218, 235 - 237
19	Lower leg and foot muscles	315 - 324
21	Hip joint	216, 228 - 230
23	Muscles controlling the hip joint	308 - 311
26	Pelvic girdle Muscles controlling the pelvic girdle	186 - 193 308 - 311
28	Upper extremity overview Shoulder joint and pectoral girdle	182 - 185, 223 – 225 216 - 217
30	Shoulder joint muscles	294 - 298

October		
3	Shoulder girdle muscles	291 - 294
5	Elbow joint and muscles	225 - 227, 299-300
7	<u>Exam 2</u>	
12	Radio-ulnar, wrist, and hand joints	189, 225 - 228
14	Forearm and hand muscles	299 - 307
17	Vertebral column	166 - 177
19	Abdominal and Back muscles	277 - 282
21 24	Heart	547 - 569
26 28	Circulatory system Lymphatic system	570 - 579 607 - 626
November		
31 2	Respiratory system	629 - 653
4	<u>Exam 3</u>	
7 9	Digestive system	657 - 694
11	Urinary system Reproductive system	695 – 715 714 - 746
14	Neurology	346 - 366
16 18	Central nervous system, Brain	405 - 435
21	Cranial nerves	436 - 447
28	Central nervous system, Spinal cord	367 - 377
31	Central nervous system, Pathways	392- 402
December		
2	General and Special senses Reflexes Autonomic nervous system	470 - 475 386 - 388 451 - 467
Dec 6	Final - Tuesday, 9:00 AM	