



# Human Anatomy

**1003201 – 17**

## **Course lecturers:**

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When you have questions, concerns, or suggestions, please contact Dr. shaibah by e-mail, call for an appointment, or catch me before or after class or lab.

## **Course Description, Objectives, and Format**

This course introduces the student to the cross structure and surface anatomy of head, neck, brain, vertebral column and spinal cord, Upper limbs, Thorax, Abdomen and Pelvis, Lower limbs. It emphasizes on the structure of human body systems with references to the functional capacities of the structure. It is help the student to do effective assessment, diagnosis, and management of health problems.

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### **The overall objectives of this course are to provide students with:**

At the end of this course, the student will be able to:

Describe the structure and surface anatomy of:

- Head, neck and brain
- Vertebral column and spinal cord
- Upper limbs
- Thorax
- Abdomen and pelvis
- Lower limbs
- Body systems

## **Lectures**

Each lecture is accompanied by a 120 minutes presentation. Information from the presentation and assigned reading is important for mastering the learning objectives which are the primary focus of exam questions.

## **Prior Knowledge and Skills Required for This Course**

The ability to fully comprehend and appreciate the fundamentals of anatomy requires a background in basic biology and biochemistry.

## **Roles and Responsibilities of Students and lecturers**

### **Students are expected to;**

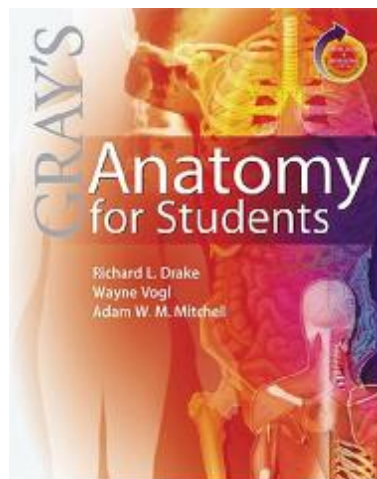
1. use all available resources to accomplish the learning objectives in each lecture and practical session, including:
  - a. attending all lecture
  - b. reading textbook assignments.
  - c. participating in lecture and asking questions when information is unclear or more information is needed.
  - d. performing assigned exercises working individually or in groups, as directed.
  - e. optimizing their learning strategies by trying the suggested “tips” and/or other ideas, and working with others.
  - f. asking for help from the course manager when they need it or even think they might need it.
2. notify the course manager as soon as they can if they are seriously ill or have an emergency that prevents them from attending
3. provide constructive feedback regarding the course on evaluation forms that will be provided at the end of the semester.
4. adhere to the faculty academic and professional rules.

**Lecturer is expected to:**

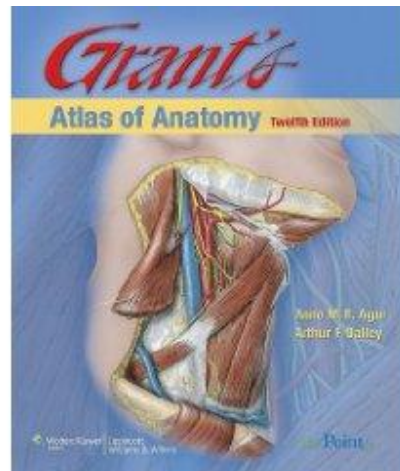
1. provide clear and informative lecture notes with learning objectives that focus on important points,
2. give clear, informative, and stimulating 60-minute lectures
3. answer questions either in or outside class or via e-mail or telephone.
4. compose thoughtful and fair exam questions that assess student learning and application of the course content.
5. directing the case sessions and facilitators to provide an effective learning experience in small group, team-oriented sessions.
6. providing answers and explanations to student inquiries regarding any aspect of the course.
7. providing advice and assistance to students for improving their learning strategies and performance in the course.
8. reviewing and implementing appropriate changes in the course based on student feedback and evaluations.

**Learning Resources**

Required Textbook:



Gray's Anatomy for Students By Richard Drake, Wayne Vogl, Adam Mitchell



**Grant's Atlas of Anatomy** by Anne MR Agur and Arthur F Dalley (2008) 12<sup>th</sup> edition, Lippincott Williams & Wilkins

### **Tips for Learning**

1. Briefly review your lecture notes before the lecture to get an idea of the material that will be covered, the degree of difficulty of the material, and how much detail is included in the notes. Look at the learning objectives to get an idea of the most important information that you are responsible for learning and that will serve as the focus for exam questions.
2. Attend the lectures. The lecture presentations re-enforce, enhance, and clarify the lecture concepts.
3. Keep up! Review the lecture as soon as you can after the lecture to make sure you understand the material; pay particular attention to the learning objectives. Read the required textbook for additional and alternative presentations of information. If you have questions, or just don't get it, ask for help.
4. Be an "active learner"! Consolidate the most important concepts and facts into a form that **YOU** are most likely to understand and retain, i.e. a summary chart or flow—include. Be creative and make it fun! Divide the work with your study partners and share your study-aids. Try giving a minilecture to yourself (on the car or while you're walking)

or to your study partners—can you discuss the important points in your own words without looking at your notes? You will remember your own version of the information better than trying to memorize your lecturer's version.

5. If you do not do well on the first exam, please contact your lecturer immediately to determine how to improve your learning strategy.

## **Examinations**

There will be six exams in MCQs format with one best answer. Exam questions will focus on the learning objectives students are expected to master from material presented in the lectures and textbook

Exam 1 (in week 4) covers material from Lecture 1 through 3.

Mid term exam (in week 7) covers material from Lecture 4 through 6.

Exam 2 (in week 10) covers material from Lecture 1 through 9.

Final practical Exam (in week 16) covers material presented in the practical sessions.

Final theory semester (in week 17) cover material from lecture 1 through 15.

After each exam (especially the 1<sup>st</sup> one!), evaluate your performance and learning/study strategies. Did your performance reflect the effort you made and your confidence in knowing the material before the exam? Analyze the questions you missed, along with the challenges and responses, and try to figure out why you missed each one, e.g. couldn't remember the information, misunderstood the information, couldn't apply your knowledge to a problem solving question. Once you identify specific problems, you can implement specific solutions. If you want help with this type of evaluation, contact your lecturer.

## **Summative Evaluation and Grading**

Final grades are based on grades earned for each of the 2 periodical exams, midterm, the lab exam and final theory exam.

Distribution of the marks for these exams are as follow:

- Two Quizzes 10% of the final grades
- Midterm written exam 20%

- Final practical Examination 25% of the final grades
- Final theory exam 45 % of final grade.

Letter grades are based on the following final numeric grades:

**A** Excellent 90 - 100

**B** Very Good 80 – 89

**C** Good 70 – 79

**D** Pass 60- 69

**F** Fail 59 and below

## LECTURES CONTENTS

<i>LECTURE</i>	<i>TOPICS</i>	<i>PRACTICAL</i>
<b>Week 1,2</b>	Anatomy: definition, branches, significance, methods of study Basic terminology, anatomical position, planes, regions <i>skeletal system</i>	Surface anatomy and intro to <i>skeletal system</i>
<b>Week 3,4</b>	<ul style="list-style-type: none"> <li>• <b>Thorax</b></li> <li>• Thoracic cavity, mediastinum, trachea, lungs, pleura, bronchi, and General organization and gross features of the heart, aorta and its branches</li> </ul>	Organs of the thoracic cavity  <b>( Quiz 1 )</b>
<b>Week 5,6</b>	<ul style="list-style-type: none"> <li>• <b>Abdomen</b></li> <li>• <b>Digestive system</b> General organization and gross features of the gut tube: esophagus, stomach, small and large intestine, liver, gall bladder and pancreas, <b>Urinary system</b> General organization and gross features: kidneys, ureters, urinary bladder and urethra</li> </ul>	Organs of the <b>Digestive system</b>
<b>Week 7,8,9,10</b>	<ul style="list-style-type: none"> <li>• <b>Pelvis</b></li> <li>• Bony pelvis, <b>Male reproductive system:</b> General organization and gross features: Testis, epididymis, ductus deferens, prostate, seminal vesicles, ejaculatory ducts and penis <b>Female reproductive system</b> General organization and gross</li> </ul>	Bony pelvis and dissected male and female specimens  <b>Mid term exam</b>

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	features: ovaries, uterine tubes, uterus, vagina and vulva <ul style="list-style-type: none"> <li>• Ovarian and Endometrial cyclic changes</li> <li>• Hormonal correlation</li> </ul>	
<b>Week 11,12</b>	<ul style="list-style-type: none"> <li>• <b>Upper limbs:</b></li> <li>• Major blood vessels and their surface anatomy</li> <li>• Muscle groups of the upper limbs and their actions</li> </ul>	<b>Upper limb</b>
<b>Week 13</b>	<ul style="list-style-type: none"> <li>• <b>Lower Limbs</b></li> <li>• <b>Major blood vessels and their surface anatomy</b></li> <li>• <b>Muscle groups of the upper limbs and their actions</b></li> </ul>	<b>Lower limb</b>  <b>( Quiz 2)</b>
<b>Week 14,15</b>	<b><i>Nervous system</i></b> <b>Brain Vertebral column and spinal cord</b>	

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