Semester: 1st 2015	**Instructor:** Dr.ManalAbudawood/ Rawan Alfrayh
Course code: CLS 222	**Phone:** 8052621
Location/ Room: building 11 (Group 1[182]) (Group 2 [33065])	**Office location:** Building 11, 3rdfloor, office number 95
Course name: Descriptive Histology	**Office hours:**Wed. 11:00-12:00, Thur. 10:00-11:00 am Also available by appointment
Class Days/Time: Mon./ 11:00 am-1:00 pm (Group 2 [33065]) Thurs./ 11:00 am-1:00 pm (Group 1[182])	**Instructor Email:** mabudawood@ksu.edu.sa ralfrayh@ksu.edu.sa
Class credit: (2 credit hours theory +1 credit hour practical)	

Course discerption:

This course will provide the students with the basic knowledge of the theoretical and applied aspects of cells and tissues which forms the organs of human body. This course will also cover the four basic tissues; their function, and gross as well as microscopic appearance of organs of the human body such as: nervous system, circulatory system, lymphatic system, respiratory system, digestive system, urinary system and reproductive system.

Learning outcomes:

Upon completion of CLS 222, students will be able to:

1) demonstrate an understanding of the microscopic organization and relationships of cells,
tissues and organs of the human body.
2) identify cells and tissues and describe their functions.
3) develop problem solving skills to evaluate the normal structure and function of cells and tissues that comprise the organs of the human body.

Lectures outline:

Weeks	**Subjects**
1.	Introduction
2-3.	Epithelial tissue: (definition, features, classification and function)
4.	Connective tissue: (definition, features, cells and fibers) Connective tissue types: (loose, dense, reticular, adipose and elastic)
5.	Supportive connective tissue - Cartilage (general features, functions and types: hyaline, elastic, white fibrocartilage) - Bone (general features, functions, types: spongy, compact and development)

6.	Muscular tissue (general features and types)
7.	Nervous tissue - Central nervous system (parts), types and structure of neuron - Peripheral nervous system: Types and structure of nerves and ganglia - Nerve endings, Synapse - Neuroglia
8.	Circulatory system - Blood circulation - Heart structure and function - Arteries and veins (types, structure and comparison of both) - Comparison between capillaries and sinisoids - Lymph circulatory system: lymph vessels
9.	Lymphatic organs - Lymph nodes: structure and function - Spleen, thymus, tonsils
10.	Respiratory system - Upper: nose, nasopharynx, larynx - Lower: trachea, bronchus, bronchiole - Structure of the lung - Pleura
11-12.	Digestive system - Oral cavity: lip, tongue (papillae and its function) - Digestive tube: general structure of esophagus, stomach, small and large intestine, appendix
13.	Digestive glands: Salivary gland, liver, gall bladder and pancreas
14.	Urinary system Parts, function and structure of kidney and urinary passage (ureter, urinary bladder and urethra in males and females)

Laboratory Schedule

Weeks	**Subjects**
1.	Cell structure: electron microscopic study of cellular Components (organelle and inclusions)
2.	Demonstration of types of epithelium,

3.	Demonstration of glands
4.	Revision for epithelial tissue
5.	Demonstration of cartilage types
6.	Demonstration of CT types
7.	Demonstration of bone types
8.	Demonstration of types of muscles
9.	Demonstration of nervous tissue
10.	Demonstration of aorta, medium-sized artery and vein
11.	Demonstration of Lymph organs
12.	Practice on body organs (liver, lung and kidney)
13.	**Revision**
14.	**FINAL PRACTICAL EXAMINATION**

Assessments:

First Mid Term Examination:	15
Second Mid Term Examination:	15
Student activities, sharing, Quiz	5
Final Practical Examination:	25
Final Theoretical Examination:	40

Learning Resources:

1. Unit overviews, lectures in web-based Powerpoint presentations and other multimedia resources will be provided on the course web site.
2. .

Attendance/Withdrawal Policy for this course:

Class Attendance is mandatory.
If you choose to come to class you are expected to be punctual, attentive, and engaged. If you feel that you cannot meet these criteria then you may wish to not attend class and/or drop the course. If you wish to withdraw from the course, you must do the withdraw yourself. Do NOT just stop attending class and assume that the instructor will drop you.

Classroom Policy:

- Food and beverages are permitted during lecture as long as they are not a disruption to others. During lab, food and beverages are not allowed.
- Cell phones must be turned off or set to vibrate and not answered during class. This includes phone calls, text messages, and emails. If you have an emergency situation that requires you to take a call, please leave the room to do so.
- Laptop computers and equivalent electronic devices are permitted during class as long as they are used for academic purposes. If you are distracting

to those around you with non- academic activities, please put your computer away or leave the classroom.

- Side-conversations during lecture are not permitted. They are rude and disruptive to the people around you.

Make-Up Policies:

Make-up exams will be given only under extraordinary circumstances. If you miss an exam without a “serious and compelling reason” as defined by KSU polices, you will receive a score of zero.

Quizzes cannot be made-up for any reason.

Cheating Policy:

Cheating of any type in lecture or lab is not allowed. Either will result in an F in the course and referral to the university disciplinary committee.