



A- COURSE TITLE, CODE, ACADEMIC YEAR:

HISTOLOGY & CYTOLOGY MLT 233 (1437-1438)

B- COURSE INFORMATION:

Course Code	Course Title	Credit Units			Study Level	Pre-requisites
		Total	Theory	Practical		
MLT 233	Histology & Cytology	3	2	1	3 rd	
Course Coordinator		Extension		Email Address		
Dr. Mohamed M. Ghobara		3615		mghobara@taibahu.edu.sa		

C- COURSE DESCRIPTION:

This course starts with the description of the electron microscopic structure of the cell and its components, the basic structural unit of the human body. The knowledge about the structural characteristics of the four basic tissue types and the relation to their functional capabilities are clarified. The normal histological structure of various body organs and systems are described enabling the students to know the characteristic structural features of different organs and cell types present in each one, and relate the structural variations to specific organ and system function. Explanation of the relation between the endocrine system and both the structural & functional variations in some other systems, especially male and female reproductive is offered.

D- COURSE OBJECTIVES:

1. Identify the cellular cytoplasmic and nuclear components and their role in the cell function.
2. Define the structural characteristics of the four basic tissue types.
3. Describe the functional capabilities of each tissue type and relate them to the structure.
4. Describe the normal histological structure of various body systems (vascular, lymphatic, respiratory, digestive, skin, urinary, endocrine, and male & female reproductive)
5. Distinguish the structural features of organs, systems and cell types present in each one and relate the structural variations to differences in organ and system function.
6. Correlate between the endocrine system and both the structural & functional variations in some other systems, especially male and female reproductive.

E- THEORY TOPICS:

Week	Theory Topic	Contact Hours
1,2&3	Cytology	6
4	Epithelium	2
5	Connective Tissue	2
6	Muscular Tissue	1
6	Nervous tissue	1



7	Blood	1
7	Blood Vascular System	1
8	Lymphatic (Immune) System	2
9	Respiratory System	2
10&11	Digestive System	4
12	Skin	1
12	Urinary System	1
13	Endocrine System	2
14	Male Reproductive System	2
15	Female Reproductive system	2

F- PRACTICAL SESSIONS:

Week	Practical Session	Contact Hours
1&2	Cytology	4
3	Epithelium	2
4	Connective tissue	2
5	Connective tissue (cartilage & bone)	2
6	Muscular tissue & Nervous tissue	2
7	Blood	2
8	Lymphatic (Immune) System	2
9	Blood Vascular System & Respiratory System	2
10&11	Digestive System	4
12	Skin & Urinary System	2
13	Endocrine System	2
14	Male Reproductive System	2
15	Female Reproductive system	2

G- ASSESSMENT TASKS:

#	Type of assessment task	Week	Total Grades
1	Continuous assessment	Weeks 1-13	10%
2	Midterm examination (written)	Week 8	15%
3	Assignment submission	Week 10	5%



4	Final practical exam	Week 16	30%
5	Final written examination	Week 17-18	40%

H- LEARNING RESOURCES:

1- Required textbook:

- Essential Histology: Cormack, D.H., J.B. Lippincot Company, Philladelphia, London, Mexico, New York, St. louis, Sydney, The latest edition.

2- Essential references:

- Color Textbook of Histology: Gartner, P.I. and Hiatt, J.L. W.B. Saunders Company, Philadelphia, London, Toronto, Montreal, Sydney, Tokyo, The latest edition.
- Basic Histology: Junqueira, L.C. and Carneiro, J. Librairie du Liban, Beirut, Lebanon, Appeleton & Lange, Norwalk, Connecticut/ San Mateo, California, The latest edition.

Notes:

- Assignments topics and requirements shall be announced by the end of Week-1, the deadline for submission is 12pm Thursday of Week-10 (each semester).
- Assignments and written assessment tasks must be verified against plagiarism, the maximum acceptable percentage is determined by the department (according to each level).
- Continuous assessments may include quizzes, internet searches, home-works, exercises, class activity, scratch cards, presentations, group work, etc.
- Practical exams may contain hands-on experiments, laboratory work, simulations, or demonstrations.
- Written exams will include multiple-choice questions (MCQ), short essay questions, and long essay questions.