Faculty of Medicine
Quality Assurance Unit

Assuit University
Faculty of Medicine
Department Of Pathology

Pathology
Course Specification

3rd year of M.B.B.Ch. Program
2016-2017

Pathology

University: Assiut **Faculty:** Medicine **Department:** Pathology

Program(s) on which the course is given: M.B.B.ch Program
Department offering the program: Pathology Department, Faculty of Medicine, Assuit University.
Department offering the course: Pathology Department, Faculty of Medicine, Assuit University.
Course Coordinators: 1. Dr. Hesham Mohamed Sayed
2. Dr. Asmaa Mahmoud Ahmed

Academic year / Level: 3rd year course of M.B.B.ch Program
Date of specification approval: **10-2016**
External evaluators: Prof. Dr. Hussein Abd el meneim Hassan, Al- Azhar University, Assuit Branch.
Dr. Eman Salah, Sohag University.

A- Basic information

Academic year / Level: **3rd** **Code: AMed 011**

Lecture: 112 hours **Tutorial/ Practical: 117 hours**

B- Professional Information

1- Overall aims

- To provide a core knowledge of disease processes affecting organ system, with an emphasis on understanding mechanisms of diseases.
- To enable the students to understand basic pathology, general and special pathology.
- To provide the students with an appropriate background about etiology, pathogenesis and pathologic manifestation of diseases.
- To enable the students to correlate the histopathology with the clinical basis of diseases (including explanation of signs and symptoms and understand the role of histopathological investigation in diagnosis and management).
- To provide the students sufficient information about the pathology and complications of different diseases.

2- Intended Learning Outcomes (ILOs)

A- Knowledge and understanding:

By the end of the course, students should be able to:

A1-Define and discuss the main disease categories that may affect the body (general pathology) as well as the basic mechanisms underlying these disorders (etiology, pathogenesis and natural history).
A2- Describe the morphologic (gross & microscopic) changes occur as a result of such disease processes in various organs.
A3- Determine the prognosis, basic treatment principles and prevention particularly for diseases of national importance.
A4- Understand medical terms.
A5- Describe mechanisms of disease (pathogenesis).
A6- Understand & explain how disease progress (outcome).

B- Intellectual skills

By the end of the course, students should be able to:

B1. Interpret in a professional manner a pathology report.
B2- Solve pathological problems
B3- interpret data

C: Professional and practical skills:

By the end of the course, students should be able to:

C1- Identify the macroscopic and microscopic criteria of the altered structure (Pathology) of the body and its major organs that are seen in various diseases and conditions.
C2- Examine macroscopically and microscopically various causes (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, degenerative, and traumatic) and mechanisms of diseases and the way through which they operate in the body (pathogenesis).
C3- Elicit a diagnosis based on gross or microscopic morphology.
C4- Make a report commenting on a pathological specimen.
C5- Carry out the most appropriate cost effective pathologic diagnostic procedures.

D: General skills:

By the end of the course, students should be able to:

D1- Adopt the importance of life long learning and show a strong commitment to it.
D2-Use the sources of biomedical information to remain current with the advances in knowledge and practice.
D3- Organize a presentation in seminars or small group discussion, with students and staff members.
D4- Integrate data analysis and communication skills
D5- Communicate with system and other students.
D6- Be reliable and responsible in fulfilling obligations.
D7- Follow various computer based instruction tools and E-learning of Pathology and utilize a variety of computer-based self assessment tools.
D8- Accept the limitation in Knowledge and always strive for excellence.

E: Transferable skills:

By the end of the course, students should be able to:

1- Express themselves freely and adequately by improving their descriptive capabilities and enhancing their communication skills.

F: Clinical & laboratory skills:

By the end of the course students should be able to be prepared for their upcoming clinical training by:

1- Diagnose and fully describe the pathologic picture of a disorder based on gross or microscopic morphology.

2- Choose the most appropriate cost effective pathologic diagnostic procedures.

3- Course contents

Topics actually covered in the year 2016/2017	Hours spent in covering each topic	
	Lectures	Practical
Introduction	1	-
Inflammation	6	8
Repair	2	-
Cell injury	5	4
Circulatory Disturbances	5	4
Immunity	3	-
Acute bacterial infection & infectious disease	2	
Tuberculosis & Leprosy	6	4
Parasitic diseases	6	4
Viral & Fungal infection	2	4
Disturbances of growth	2	-
Tumors (neoplasia)	10	16
Diseases of the heart	6	2
Diseases of the blood vessels	4	-
Upper respiratory diseases	2	2
Lower respiratory system	6	8
Diseases of the kidney and Urinary bladder	8	8
Male genital system diseases	2	4
Breast diseases	2	4
Female genital system diseases	6	8
Upper GIT diseases	10	8
Liver diseases, gall bladder, pancreas & peritoneum.	6	8
Bone diseases	4	4
Endocrine system diseases	4	4
Lymphoid tissue and spleen diseases	3	4
CNS diseases	4	4
Total	112	117

4- Teaching and Learning Methods

1- Lectures for knowledge and intellectual skill outcomes using data shows.
2- Practical training including:
Classes for demonstration of gross specimens (museum).
Laboratory for demonstration of pathological slides.
3- E-Learning system interactive discussions.

Facilities used for teaching and learning:

4.1- White board & marker
4.2- Data show and camera
4.3- Jars for sample collection (museum)
4.4- Microscopes.
4.5- Pathological slides (laboratory)
4.6- E-Learning

5- Student Assessment Methods

5.1- Written exams to assess Knowledge and intellectual skills (a1-a6, b1-b3).

- Multiple choice questions
- Essay questions
- Case studies

5.2- Oral exam to assess knowledge, intellectual and general skills (a1-a6, b1-b3, d8).

5.3- Practical exam to assess intellectual and practical skills (b1-b3, c1-c5).

- Tissue description.
- Diagnosis.

5.4- formative assessment by electronic quizzes (a1-a6,b1-b3).

Assessment Schedule

Assessment 1 Periodical exam (1) in the 6th week.
Assessment 2 Mid-term practical exam in the 10th week.
Assessment 3 Mid-term written exam in the 11th Week.
Assessment 4 Periodical exam (2) in the 16th week.
Assessment 5 Final practical exam in the 26th Week.
Assessment 6 Final written exam in the 30th Week.
Assessment 7 Final oral exam. in the 30th Week.
Assessment 8 Practical book (student portofolio).

Weighting of Assessments

Mid-Term Examination	15 %
Final-Term Examination	50 %
Oral Examination.	10 %
Practical Examination	20 %
Semester Work (practical book Assessment& periodical exams & attendance mark)	5 %
Other types of assessment	0 %
Total	100 %

Any formative only assessment

6- List of References

6.1-Course Notes

Notes on pathology by staff members of Pathology Department (2017)

6.2- Essential Books (Text Books)

Robbin's (Basic Pathology) (2017)

……

6.3-Recommended Books

Pathology illustrated (2011)

Concise pathology (2012)

Principles of General Pathology (part 1) by Dr.Gamal Nada (2014)

Principles of Special Pathology (part II) by Dr.Gamal Nada (2014)

……

6.4- Periodicals, Web Sites, etc

Journal of Pathology

American Journal of Surgical Pathology

American journal of Pathology

www.Pathmax.com & www.webpathology.com & www.pathologyoutlines.com

……

7- Facilities Required for Teaching and Learning

Overhead projectors with plastic roll, Data show, computers & microscopes.

Course Coordinators:

2. Dr. Hesham Hassan

3. Dr. Asmaa Mahmoud Ahmed

Head of Department:

Prof. Dr. *Etemad Helmy Yassin*

Date: 10-2016