



Department of Pathology

Course Specifications

**Pathology Third Year Physiotherapy
students**

Second Semester (Pathology 2)

2015-2016

Course provider:

Ass. Prof. Dr. Eman Saied

Ass. Prof. of Pathology

Faculty of Medicine

Kafrelsheikh University

Pathology (2) third Year Course specifications

1- Administrative Information

University: Kafrelsheikh Faculty: Physiotherapy Department: Pathology

- **Course title: Pathology (2)**
- **Code:**
- **Department offering the course: Department of Pathology**
- **Program (s) on which this course is given: BSc in physiotherapy**
- **Academic year/ Level :Third year**
- **Semester in which the course is given: Second Semester.**
- **Date of specifications /revision: 2015-2016**
- **Taught hours:**
 - **Lectures : 2hrs/ week**
 - **Practical : one hr/week**

2 – Overall Course Aims

- To develop an understanding of the aetiology and mechanisms of diseases and the associated alterations in structure and function.
- To develop skills for observation, interpretation and integration needed to analyze human diseases.
- To provide students with essential knowledge for their clinical rounds and to prepare them for their subsequent clinical careers.

3– Intended learning outcomes (ILOs):

a- Knowledge and understanding:

By the of the course the student should be able to:

a1-To recognize the etiology and pathogenesis of different disease processes.

a2-Fully describe and discuss characteristic gross and microscopic pictures of different pathologic lesions affecting different body organs and their associated functional disturbances.

a3-Determine the fate and complications of different disease processes.

b- Intellectual skills

By the end of the course the student should be able to:

b1-Compare between the different disease processes

b2- Predict the diagnosis of different diseases based on the underlying gross and microscopic pictures.

c-Professional &practical skills

By the of the course the student should be able to:

c1- Utilize the different diagnostic pathological tools.

c3- Fully describe the pathologic pictures of different disorders based on gross and microscopic pictures aiming at reaching a correct diagnosis.

d- General transferable skills

By the of the course the student should be able to:

d1-Express freely and adequately themselves by improving descriptive capabilities and communication skills.

d2-Respond appropriately according to the seriousness of pathologic diagnosis in acceptable human manner.

d3-Maintain a suitable image in manner, dress, speech and relationships that is consistent with the medical profession.

d4 Know when and how to ask for senior consultation.

d5 Work collaboratively with other health professionals in other disciplines to maximize patient benefits and minimize the risk of errors.

d6 Identify his/her personal weaknesses through accurate self-assessment and/or supervisors and colleagues and actively set a clear learning plan to address these weaknesses.

d7 Utilize the resources of biomedical information including the available electronic facilities to update his/her knowledge.

4- Topics (Contents of the course)	
Topic	No. of hours
1 Infectious diseases <ul style="list-style-type: none">• Viral diseases• Fungal diseases• Protozoal diseases	6
2 Immunity and hypersensitivity <ul style="list-style-type: none">• The immune system• Immunodeficiency diseases• Hypersensitivity• Autoimmune diseases	6
3 Genetic disorders	2
4 Radiation injury	2
5 Nutritional deficiencies	4
6 Cellular adaptations and disorders of growth <ul style="list-style-type: none">• Atrophy• Hypertrophy• Hyperplasia• Metaplasia• Dyplasia	4
7 Neoplasia <ul style="list-style-type: none">• General principles of neoplasia (Classifications, criteria of benign and malignant tumours, grading, staging, methods of spread of malignant tumours).• Aetiology of cancer• Detailed study of the most common tumours.	6

5-Teaching and learning methods

5.1 Lectures

5.2 Practical training

5.3 Class activity

6-Student Assessment :

a)Methods used

1. Periodical and mid-term written exams to assess the ability of students to follow-up the course subjects.
2. Practical exam to assess the gained experience in laboratory methods for diagnosis of diseases.
3. Final written exam to assess the overall outcomes of the pathology course.

b) Assessment schedule:

Assessment	Week
1 Periodical exams	4, 10
2 Mid-Term written exam	7
3 Practical exam	14,15
4 Final written exam	16,17

c) Weighing of assessments:

Exam	Marks	% of Total
Mid-term and periodic examinations	20	20%
Final term examination	60	60%
Practical examination	20	20%
Total	100	100%

d) Attendance criteria:

1. Practical attendance: 75% of practical attendance is required.

7- List of references

7.1 Course notes

- 8.1.a Essentials of General Pathology.
- 8.1.b Colour atlas of practical Pathology

7.2 Text book

- 8.2.a Kumar, Cotran & Robbins, Basic Pathology.

7.3 Web sites

- 7.3.a [http:// www. PATHMAX. com](http://www.PATHMAX.com)
- 7.3.b [http:// www.pathology online.com](http://www.pathology online.com)

8- Facilities Required for Teaching and Learning

- Lecture halls equipped with computers, sound systems, data show projectors, white board.
- Labs equipped with computers, sound systems, dual projectors for gross or microscopic specimens (via microscopes with built in digital cameras) and data show presentation, white board, binocular microscopes for students.

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