A) **Basic information** 3 year medical students- Faculty of Medicine Cairo Univ

- Allocated marks: 300 marks
- Course Duration: 26 Wks of teaching
- Teaching hours: 9 hrs/wk 1st half- 11 hrs/week 2nd half  total 233 teaching hours (Lectures/e-learning: 128 Practical: 92 Interactive learning (IL)/tutorial: 14)

B) **Professional information**

I. **OVERALL AIM OF THE COURSE:**

1. To familiarize students with the basic disease patterns and their underlying mechanisms within the specific organ systems as step to preparing the student for his clinical rounds and future as a practitioner
2. To promote life long competencies necessary for continuous professional development

II. **INTENDED LEARNING OUTCOMES:**

**a- KNOWLEDGE and UNDERSTANDING:**

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

1. 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 & natural history)
2. Describe the morphologic (gross & microscopic) changes occurring as a result of such disease processes in various organ systems
3. Determine the fate & complications of each particular disease and outline the general management procedures

**b- INTELLECTUAL SKILLS:**

*DATA ACQUISITION, DATA ANALYSIS & PROBLEM SOLVING*

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

4. Predict the signs and symptoms of a disease based on the underlying gross & microscopic tissue changes responsible for symptomatology and physical changes in the patient, thereby enabling the student recognize patients with life/organ threatening conditions.
5. Interpreting in a professional manner a pathology report.
6. Choosing the most appropriate cost effective pathologic diagnostic procedures Selecting the necessary techniques for sample reception & processing according to the nature of specimen received.

**c-PROFESSIONAL AND PRACTICAL SKILLS (CLINICAL & LABORATORY SKILLS):**
By the end of the course, students should be able to be prepared for their upcoming clinical training by:

7- **Diagnosing and fully reporting or describing** the pathologic picture of a disorder based on gross or microscopic morphology.

**d- GENERAL AND TRANSFERABLE SKILLS**

**LIFE LONG LEARNING, ETHICAL BEHAVIOUR & COMMUNICATION SKILLS** (PATIENT DOCTOR & RELATED TO COLLABORATION WITH HEALTH OFFICIALS AND HEALTH CARE PROFESSIONALS & SKILLS RELATED TO SOCIAL & COMMUNITY CONTEXT OF HEALTH CARE)

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

8- **Appreciate** the importance of life long learning and show a strong commitment to it
9- **Use** the sources of biomedical information to remain current with the advances in knowledge & practice

10- **Frame** a question, search the literature, collect, analyze, critically appraise and utilize the obtained information to solve a particular clinical problem according to the principles of evidenced based medicine
11- **Respond** appropriately according to the seriousness of the pathologic diagnosis in an acceptable humane manner, treating the patient as a whole rather than a lesion or specimen
12- **Maintain** a professional image in manner, dress, speech and interpersonal relationships that is consistent with the medical profession’s accepted contemporary standards in the community
13- **Identify** difficult ethical situations and how to properly deal with them
14- **Express** themselves freely and adequately by improving their descriptive capabilities and enhancing their communication skills

**3. TEACHING METHODS:**

**METHODS USED:**

1- General lectures
2- E-learning
3- Tutorials, seminars, Interactive learning: discussions, case studies and oral presentations
4- Practical sessions
   a- Histopathology slide lab
   b- Museum of pathology, Post Mortem & fresh surgical samples
4. Facilities required for teaching and learning:

Facilities used in this course include:
1. Lecture halls 5 halls
2. Interactive learning groups 5 rooms
3. Laboratory
4. Museum specimens
5. Fresh material from PM or organs/lesions sent as surgical specimens
6. Projector slides & power point presentations covering all slides in slide box
7. Set of slides for every 6-10 students to be used throughout the year and handed in before finals
8. CD with all 66 microscopic images in addition to lecture updates
9. Data show
10. Overhead projector
11. E-learning material on our website