كيفية إعداد توصيف المقررات الدراسية للدراسات العليا

توصيف المقررات الدراسية يتضمن توضيح أقل المتطلبات الواجب توافرها في طالب الدراسات العليا للحصول على درجة الماجستير والدكتوراه. يشمل توصيف المقرر الدراسي الاتي:

- الأهداف التعليمية للدرجة العلمية
- المعرفة والمهارات التي يجب أن يحصل عليها الطالب في نهاية فترة الدراسة والتدريب
- طرق التدريس (مثال: محاضرات ، ورش عمل، تدريب معملي)
- محتويات المنهج العلمي (الموضوعات العلمية ومراجعها، عدد ساعات تدريس الجزء النظري والعملي والإكلينيكي)
- طرق تقييم الطالب (مثال: الامتحانات بكافة صورها، الحضور، المقال العلمي، log book)
- نظام الامتحانات وكيفية توزيع الدرجات
- طرق التقييم للمقرر الدراسي
- المراجعة السنوية والمسئولين عنها.

PROGRAMME SPECIFICATION FOR POSTGRADUATE DEGREE

This specification provides a concise summary of the main features of the course and the learning outcomes that a typical candidate might reasonably be expected to achieve and demonstrate if he or she takes full advantage of the learning opportunities provided. More detailed information on the specific learning outcomes, context and the teaching, learning and assessment methods of each module can be found in the Programme Descriptions Handbook.

COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	**Pediatric Surgery**
(2) Department offering the programme:	**Pediatric Surgery** **Anatomy**
(3) Department responsible for teaching the course:	**Pediatric Surgery** **Anatomy**
(4) Part of the programme:	**First Part**
(5) Date of approval by the Department`s council	9/8/2016
(6) Course title:	**Surgical Anatomy and Embryology**
(7) Course code:	**SUR 620 SA** **SUR 601**
(8) Total teaching hours:	**45**

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

1- To prepare our candidates to acquire knowledge, competencies, skills and applications in different branches of Surgical Anatomy.

2- To give our candidate the ability to integrate the Surgical Anatomy data properly in service of Surgery and the ability to integrate data obtained from clinical examination and investigations properly for ideal management for the surgical patient.

3- To prepare the physician for the independent practice of clinical Surgery based on supervised clinical work with increasing responsibility for outpatients and inpatients. It must have a foundation of organized instruction in the basic Surgery science.

4- To apply the embryological background to understand the theories of different congenital surgical diseases.

5- To Recognize the normal and abnormal embryological development of different body systems and correlate this knowledge to surgical management of different congenital anomalies.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A1- Identify normal and abnormal embryology of different body systems.
A2- Recognize the embryogenesis of different congenital anomalies of surgical importance.
A3- Identify the normal anatomy of different body systems.
A4- Define the anatomical variations and correlate this to the surgical practice.
A5- Develop a good theoretical and practical knowledge in dissection of different organs, vessels, nerves, important structures and how to apply this on a clinical scientific background.
A6: Recognize the medico-legal aspects of different regional injuries.

2- Intellectual activities (I)

The Postgraduate Degree provides opportunities for candidates to achieve and demonstrate the following intellectual qualities:

B- Intellectual skills

B1. Apply the embryological background to understand the theories of development of the variable congenital anomalies of surgical importance.
B2. Apply the basic embryological and anatomical background on clinical practice to obtain proper diagnosis of different pediatric surgical problems.
B3. Enlist the differential diagnosis of pediatric surgical patients directed by the embryological and anatomical knowledge.
B4. Recognize the theoretical Principles of dissection of organs, vessels, nerves and important anatomical structures all over the body.
B5. Relate the basic anatomical knowledge to the principles of safe surgical practice and understand how to reach different anatomical structures through a simplest, safest and short way.
B6. Interpret different clinical evidences and investigation results guided by the anatomical background to identify the cause and manner of injury various types of trauma in pediatrics.

(3) Course content:

Subjects	Lectures	Total Teaching Hours
A-HEAD & Neck anatomy and embryology - Embryology of neural tube and its defects. - Anatomy of the ventricular system of the brain. - Anatomy of the scalp. - Embryology of the face & embryogenesis of facial clefts. - Anatomy of the lip & palate. - Embryology of branchial apparatus. - Embryology of thyroglossal duct. - Anatomy of cervical fascia and neck fascial spaces. - Anatomy of great vessels of the neck. - Anatomy of cervical lymph nodes & lymphatic ducts. - Anatomy of thyroid gland. -	7	7
B- Chest - Anatomy of intercostal spaces. - Anatomy of mediastinum. - Lung development - Development and defects of diaphragm - Anatomy of diaphragm.	5	5

- Surgical anatomy of pleura, lung, trachea and bronchial tree.		
C- Abominal wall and abdominal cavity - Embryology of abdominal wall defects. - Anatomy of abdominal wall. - Anatomy of inguinal canal. - Laparoscopic anatomy of abdominal wall & inguinal region. - Embryology of vitelloinestinal duct and its anomalies. - Anatomy of peritoneum, lesser sac, subphrenic spaces.	8	8
D- Digestive system - Embryology of oesophagus & oesophageal atresia. - Embryology of normal and abnormal rotation of the intestine. - Embryology of hindgut and anorectal malformations. - Anatomy of oesophagus. - Anatomy of stomach. - Anatomy of intestine. - Anatomy of rectum.	15	15

- Anatomy of anal canal. - Anatomy of pelvic floor. - Embryology of pancreas & congenital anomalies. - Anatomy of pancreas. - Anatomy spleen. - Anatomy of liver. - Anatomy of gallbladder. - Anatomy of biliary system.		
E- Genitourinary system - Embryology and congenital anomalies of urinary system. - Embryology of cloaca. - Sex determination & embryology of male & female external genitalia. - Embryology of testicular descent. - Anatomy of kidneys. - Anatomy of ureters. - Anatomy of urinary bladder. - Anatomy of urethra. - Anatomy of penis. - Anatomy of testis. - Anatomy of vas deferens.	7	7

- Anatomy of suprarenal glands.		
F- Others - Embryology of Twinning and conjoined twins. - Anatomy of nerves of the upper limb. - Anatomy of brachial plexus. - Anatomy of blood vessels of the lower limb.	3	3

(4) Teaching methods:

4.1:lectures

4.2: specimen demonstration

(5) Assessment methods:

Written and MCQ exam for assessment of knowledge and intellectual skills.

Assessment schedule:

Final exam:

Percentage of each Assessment to the total mark:

Written exam: 80 marks and MCQ exam: 20 marks

Represent 50% of the total marks of the first part.

(6) References of the course:

6.1: Hand books: Departmental Anatomical Book.

6.2: Text books: Surgical Anatomy – Skandalakis

6.3: Journals:……

6.1: Websites:……

6.1: Others:……

(7) Facilities and resources mandatory for course completion:

Lecture halls

(8) Evaluation of Programme's intended learning outcomes (ILOs):

Evaluator	Tools*	Signature
Internal evaluator **(s)** **Prof.Dr. Mohammed El-Ghazaly** **Prof.Dr. Kamal Abd El-Elah** **Ass Prof.Dr. Adham El-Said**	**Focus group discussion** **Meetings**	
External Evaluator **(s)** **Prof. Gamal Eldin El-Tagy** **Prof. Sherif Shehata**	**Reviewing according to external evaluator checklist report.**	
Senior student **(s)**	**none**	
Alumni	**none**	
Stakeholder **(s)**	**none**	
Others	**none**	

* TOOLS= QUESTIONNAIRE, INTERVIEW, WORKSHOP, COMMUNICATION, E_MAIL

We certify that all information required to deliver this programme is contained in the above specification and will be implemented. All course specification for this programme are in place.	
Programme coordinator: **Ass Prof. Adham Ahmad Elsaid** **Lect. Hesham Mahmoud Sheir**	Signature & date:
Head of pediatric surgery Department **Prof. Dr. Mohamed El-Ghazaly Waly**	
Dean: **Prof. Dr. El Said Abdel Hady**	Signature & date:
Executive director of the quality assurance unit: **Prof.Dr. Seham Gad El-Hak**	Signature & date: