



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Anesthesiology, Surgical intensive
care**

Course Specifications

**Anesthesia for Anesthesiology,
Surgical intensive care Master
degree**

2014

Anesthesiology, Surgical intensive care Master degree
Course Specifications: 2014

Course Specifications of Anesthesiology, Surgical intensive care Master degree

University: Tanta

Faculty: Medicine

Department: Anesthesia

A- Administrative Information

- 1.course title: Anesthesia for Master of Anesthesiology, Surgical intensive care**
- 2. Department offering the course: Anesthesiology, Surgical intensive care**
- 3. Department responsible for the course: Anesthesiology, Surgical intensive care**
- 4. Course code: ANES 8006**
- 5. Level: Second part.**
- 6. No. of Credit / taught hours:**
 - **credit hours:**
 - **Theoretical: 4 hours/week X 15 weeks =60 hours (4 credit hour)**
 - **Practical: 4 hours/week X 15 weeks =60 hours (2 credit hour)**
- 7. Authorization date of course specification:**

B- Professional Information

1 – Overall Course aims

By the end of the course, the student should be a competent and safe anesthetist; He is able to:

- Conduct anesthesia for different common operations, safely and efficiently, to patients with different common medical problems.
- Avoid, suspect, anticipate and manage different complications that may occur peri-operatively.
- Manage peri-operative pain safely and efficiently, and to avoid and manage possible adverse effects of pain and drugs used for its relief
- Orient and implement the quality improvement and patients' safety.

2 – Intended learning outcomes (ILOs):

A- Knowledge and understanding:

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

- A.1) Recognize different types of anesthesia with the advantage(s) and disadvantage(s) of every type.
- A.2) Discuss the mechanism(s) of action of different anesthetics and co-adjuvant drugs
- A.3) Identify the complications of anesthesia, how to anticipate and how to avoid and manage
- A.4) identify the principles of quality assurance in medical practice.
- A.5) recognize the effect of medical practice on surrounding environment and how can it be made safe.

B-Intellectual skills

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

- B.1) choose proper type of anesthesia for proper patient and proper operation
- B.2) Anticipate, identify and manage problems under GA (e.g. cardiac arrest)
- B.3) interpret data with his capability so as to ask for help in the proper time or to transfer the patient to more experienced anesthetist or more equipped center to cope with the anticipated problems

C-Professional &practical skills

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

- C.1) resuscitate and Evaluate the patient
- C.2) Perform endotracheal intubation safely, and to maintain the airway patent with different available techniques
- C.3) Perform common regional and local anesthetic techniques properly and safely

D-General transferable (attitude and communication) skills

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

- D.1) Participate in team working, Apply self-evaluation and specify his medical educational needs.
- D.2) Solve Problems
- D.3) Know how to deal with patients, their relatives and doctors
- D.4) Acquire an approach to medico legal problems

3-Course contents

Topics	lecture	Clinical/ lab
• Anesthesia	60	60

Topics	lecture	Clinical/ lab
Renal physiology &Anesthesia for renal and genitourinary systems	2	2
Anesthesia for liver and GIT	4	4
Anesthesia for ENT	2	2
Anesthesia for orthopedic surgery	2	2
Anesthesia for trauma and emergency conditions	4	4
Anesthesia for obstetrics and gynecology	2	2
Anesthesia and endocrine diseases	4	4
Anesthesia for the elderly	2	2
CPR	4	4
Acid base balance	4	4

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Ethical and legal aspects	2	2
Quality assurance in anesthetic practice	2	2
Cardiovascular physiology	4	4
Anesthesia for cardiothoracic surgery	4	4
Anesthesia for vascular surgery	4	4
Cerebral physiology	4	4
Anesthesia for neurosurgery	4	4
Pediatric anesthesia	4	4
Anesthesia for organ transplant	2	2
Total	60	60

4-Teaching and learning methods

Lectures, seminars, journal clubs, case presentation, assignments, conference participation observation and hands on practice in operating theaters and surgical ICU.

5-Student Assessment

- 1- MCQ End semester examination: C+ required for final exam attendance
- 2- Final exam included as apart of the 2nd part exam.

6- Weighing of assessments

Included in the end of the 2nd part exam.
will be annexed

7- List of references

Course notes

Lecture notes from Anesthesiology, Surgical intensive care and Pain management

Text book

Essential Books (Text Books)

- Anesthesia by Miller RD 6th edition, Elsevier Churcill Livingstone, New York, 2010.
- Lee's Synopsis of Anesthesia by: Davies NJH, Cashman JN, 13th edition, Elsevier, UK 2005.
- The ICU Paul L. Marino, 2nd edition, Lippincott Williams & Wilkins, Philadelphia 2012.

Recommended Books

- Stoelting's Anesthesia and Co-existing disease, 6th edition, By: Hines RL, Marschall KE, 2008, Elsevier Churcill Livingstone 2012.
- Anesthesiology: Problem-oriented patient management 7th edition, By: Yao FSN, Artusio JF, Lippincott Williams & Wilkins, Philadelphia 2012.

Web Sites

- British Journal of Anaesthesia
- ASA Refresher Course Lectures

- Anesthesiology
- Anesthesia Analgesia
- Egyptian journal of anesthesia
- Journal of Anesthesiology.
- American Society of Anesthesiologists.
- European Journal of Anesthesiology.

8-Other resources/ facilities required for teaching and learning to achieve the above ILOs

The department has regular daily lists in different operative theaters.

The department has Surgical ICU unit for postoperative care.

Free Internet access for international data bases is available for all doctorate students through the faculty postgraduate library

The essential text books for this course are available either in department or faculty library

9-we certify that all of the information required to deliver this course is contained in the above specifications and will be implemented

We verify that the above Course and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department
name.....signature.....Date.....

Head of quality assurance unit:
name.....signature.....Date.....