

Course Overview

Anesthesia III

Course code :	AMT 506
Course title:	Anesthesia III
Level/semester:	Fifth Semester
Preceding Courses & Main Subjects	Anesthesia II
Credit hours: 4	Theoretical: 3
	Practical: 2

Laryngoscopy & endotracheal intubation (ETI)

- Advantages of endotracheal intubation (ETI)
- Maintaining patent airway
- Causes of airway obstruction
- Indications & equipments used for ETI
- Causes of difficult ETI
- Methods of anaesthesia for ETI
- Steps for safe extubation
- Complications of laryngoscopy & ETI

Complications of G.A.

- Respiratory complications
- Cardiovascular complications
- Neurological complications
- Ophthalmologic complications
- Miscellaneous & minor complications
- Occupational hazards

Advanced Techniques and Crisis Management

Course Description

Anesthesia Simulation III is divided into three areas of skill development: Crisis Management, Invasive Hemodynamic Monitoring, and Regional Anesthesia. Crisis management will involve learners the management of life-threatening crisis in anesthesia care including anaphylaxis, malignant hyperthermia, pulmonary embolism, tension pneumothorax, perioperative myocardial infarction, massive hemorrhage, and cardiac arrhythmias. During the invasive hemodynamic monitoring portion of the course, learners will practice and demonstrate insertion of central venous and pulmonary artery catheters. The regional anesthesia area will provide learners an opportunity to practice and demonstrate common regional anesthesia techniques including intravenous regional anesthesia, neuraxial anesthesia and peripheral nerve blocks.