

Master Degree of Anesthesia & Postoperative Intensive Care Log Book

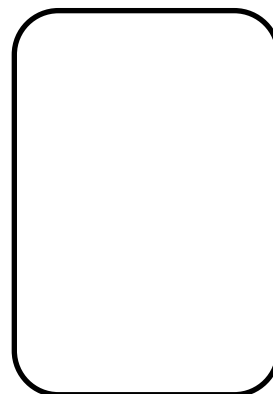


" كراسة الأنشطة "
اللازمة لحصول المتدرب على
درجة الماجستير في التخدير و العناية المركزة
2022-2023

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Personal photo



Name:Date of birth:/...../.....

Address:

Place of work:

Telephones:Mobile phone(s):

Mail Address:E mail:

<i>Name of hospital</i>	<i>Period of work</i>	<i>Hospital director signature</i>

Academic Information

MBBCh...../...../..... University Grade

Grade of Internal Medicine course on graduation

Others...../...../..... University

...../...../..... University

Aim of the activities book

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

Sections of the book

For each module / course / rotation

You should fill the following sections:-

1- Clinical case log

1- You will first find list with all required cases in the concerned module and the minimum number of cases you must get exposed to and level of participation you should achieve for each type of cases.

2- You should record all clinical cases in the module and each case should be signed by you trainer.

2- Clinical case presentation log

Record the cases related to the module that you have presented in a seminar of the activity.

3- Procedures / operations log

1- You will find a list for required procedure, diagnostic – therapeutic operations and level of desired performance you should achieve at the end of training.

2- You will find empty tables to write down the procedure, you level of participation and date and signature of supervisor.

4- Rotation / attendance proof

You should have evidence of achievement the required training hours within each module.

For the whole program fill the following sections:

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation "attendance, preparation, presentation ...etc."

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols
-

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quises

Program aims

1/1 To enable candidates to acquire satisfactory level of clinical skills, bedside care skills, in addition to update medical knowledge as well as clinical experience and competence in the area of anesthesia and peri-operative medicine, Intensive care medicine, Chronic pain management and enabling the candidates of making appropriate referrals to a sub-specialist.

1/2 Provide candidates with fundamental knowledge and skills of intensive care medicine as regards; dealing with critically ill patients, ICU equipments, techniques, indications, contraindications and training skills of different intensive care techniques.

1/3 To introduce candidates to the basics of scientific medical research.

1/4 Enable candidates to start professional careers as specialists in Egypt but recognized abroad.

1/5 To enable candidates to understand and get the best of published scientific research and do their own.

Curriculum Structure:

Duration of program 36 months

Program Structure

Program Time Table

Duration of program 3 years maximally 5 years divided into

- Part 1

Program-related basic science courses and ILOs + elective courses

Students are allowed to set the exams of these courses after 12 months from applying to the M Sc degree.

- Thesis

For the MSc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis should not be set before 12 months from registering the M Sc subject;

It could be discussed and accepted before passing the second part of examination)

- Part 2

Program –related speciality courses and ILOs

Students are not allowed to set the exams of these courses before 3 years from applying to the MSc degree.

n.b. Fulfillment of the requirements in each course as described in the template and registered in the log book is a pre-request for candidates to be assessed and undertake part 1 and part 2 examinations.

First Part

Academic activities of basic sciences

Practice with academic and clinical departments during year 1

- Pharmacology
- Physiology
- Anatomy
- Measurements
- Internal Medicine

Pharmacology

Requirements

🔴 Credit points: 2 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Pharmacology	0.5	Pharmacology	5 hours - Introduction to Pharmacology and Drug Doses - Pharmacokinetics and Anesthesia - Pharmacodynamics and Receptor Physiology	25 %
	0.5		5 hours - drug-drug interaction related to anesthesia - The Pharmacology of the Autonomic Nervous System	25 %
	0.5		5 hours - Intravenous Drugs used for the Induction of Anaesthesia - Pharmacology of Inhalational Anesthetics	25 %
	0.5		5 hours - Pharmacology of Neuromuscular Blocking Drugs and Anticholinesterases - Local Anesthetic Pharmacology	25 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Pharmacology (Lectures)

[illegible]

Physiology

Requirements

● Credit points: 2 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Physiology	0.5	Physiology	5 hours - Cardiovascular Physiology - Aspects of Myocardial Physiology Cerebral Blood Flow and Intracranial Pressure	25 %
	0.5		5 hours - The Autonomic Nervous System – Basic Physiology - The Physiology of Neuromuscular Junction - Body Fluid Compartments, Sodium and Potassium physiology	25 %
	0.5		5 hours - Respiratory Physiology - Renal physiology - Hepatic physiology	25 %
	0.5		5 hours - Endocrine Physiology - Physiology of Pain - Physiological Changes Associated with Pregnancy, pediatric and elderly patients.	25 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Physiology (Lectures)

[illegible]

Anatomy

Requirements

🔴 Credit points: 2 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Anatomy	0.5	Anatomy	5 hours - Upper respiratory tract including pharynx, larynx, trachea	25 %
	0.5		5 hours - Bronchial tree - Lungs - Pleura	25 %
	0.5		5 hours - Chest wall - Mediastinum	25 %
	0.5		5 hours - Heart and great vessels	25 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	<i>Head of the department signature</i>

Anatomy (Lectures)

[illegible]

Measurements

Requirements

🔴 Credit points: 2 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Measurements	0.5	Anesthesia	5 hours <ul style="list-style-type: none"> - SI Units - Electricity and Magnetism - The Physics of Flow - Pressure and Blood Pressure Monitoring 	25 %
	0.5		5 hours <ul style="list-style-type: none"> - Biological Signals and their Measurement - Practical Applications of Pulse Oximetry - Respiratory Gas Analysis 	25 %
	0.5		5 hours <ul style="list-style-type: none"> - Vaporizers - Anesthetic Breathing Systems - Anesthetic Gas Scavenging 	25 %
	0.5		5 hours <ul style="list-style-type: none"> - Gases and Vapors - Humidification - Heat Production and Loss - Fires and Explosions in the Operating Room 	25 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	<i>Head of the department signature</i>

Measurements (lectures)

[illegible]

Internal Medicine Course

Requirements

● **Credit points:** 6 credit point for didactic (lectures, seminars, tutorial) and 10 point for training.

✚ Minimal rate of attendance 80% of didactic and training

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Internal medicine	1	Internal medicine	10 hours <ul style="list-style-type: none"> - Renal failure - Nephritis - Nephrotic syndrome 	16.67 %
	2		20 hours <ul style="list-style-type: none"> - Heart failure - Rheumatic fever - Valvular heart diseases - Arrhythmia - Hypertension 	33.33 %
	3		30 hours <p><u>Haematology</u></p> <ul style="list-style-type: none"> - Lymphomas - Coagulation disorders - Anemia <p><u>Neurological diseases</u></p> <ul style="list-style-type: none"> - Cerebrovascular stroke - Myopathy <p><u>Endocrinology</u></p> <ul style="list-style-type: none"> - Diabetes mellitus - Thyroid diseases - Adrenal gland diseases - Obesity <p><u>Hepatology & Gastroenterology</u></p> <ul style="list-style-type: none"> - Liver cirrhosis and liver cell failure <p><u>Collagen vascular and systemic diseases</u></p>	50 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	<i>Head of the department signature</i>

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Internal medicine	1	Internal medicine	<i>1 weeks in Nephrology Unit</i> <i>Log of 2 cases</i> - Renal failure - Nephritis - Nephrotic syndrome	10 %
	2		<i>2 weeks in Cardiology Unit</i> <i>Log of 2 cases</i> - Heart failure - Rheumatic fever - Valvular heart diseases - Arrhythmia - Hypertension <i>Log of 20 ECG.</i>	20 %
	3		<i>3 weeks in Emergency Department, ICU , CPR</i>	30 %
	4		<i>4 weeks in Internal Medicine Department</i> <i>Log of 2 cases</i> <u>Haematology</u> - Lymphomas - Coagulation disorders - Anemia <u>Neurological diseases</u> - Cerebrovascular stroke - Myopathy <u>Endocrinology</u> - Diabetes mellitus - Thyroid diseases - Adrenal gland diseases - Obesity <u>Hepatology & Gastroenterology</u> - Liver cirrhosis and liver cell failure <u>Collagen vascular and systemic diseases</u>	40 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	<i>Head of the department signature</i>

(Lectures)

[illegible]

Internal medicine Course

A-Clinical case log

[illegible]

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

A-Clinical case log

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

B- Clinical case presentation log

[illegible]

- * Level of participation
 - A- Plan and carry out
 - B- Carry out
 - C- Carry out under supervision

Rotation and attendance in Units

[illegible]

C- Procedure log (ECG)

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

Course (4): Anesthesia and Postoperative intensive care

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
1) Unit 1 "Anesthesia "	80%	1,2&3	19.2	88	107.2
2) Unit2:"Intensive Care	15%	2&3	3.6	16.5	20.1
3) Unit 3 " Pain Management"	5%	3	1.2	5.5	6.7
Total No. of Units:	3	1,2&3	24	110	134

Unit (module) 1

Anesthesia



Unit (Module) 1

(Anesthesia)

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Requirements

- **Credit points:** 19.2 credit point for didactic (lectures, seminars, tutorial) and 88 point for training.
- Minimal rate of attendance 80% of training and didactic

Year 1

(14 credit point for training)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Anesthesia	6	Anesthesia	<ul style="list-style-type: none"> - Practice with anesthesia of at least 1 weeks in each of operative lists in general surgery, orthopedic surgery, plastic surgery, gynecologic surgery, ENT and ophthalmology - Log of cases : 10 cases in each department - Log of procedure as mentioned below 	42.9 %
	4		<ul style="list-style-type: none"> - Night shift (From 2 pm to 8 am) 1 night shift /week for 8 weeks in trauma department, obstetric emergency department, general surgery department - Log of cases : 20 cases 	28.6 %
	1		<ul style="list-style-type: none"> - Attendance of at least 2 weeks in the anesthesia clinic (3 hours/day) 	7.1%
	2		<ul style="list-style-type: none"> - Attendance of at least 30% of clinical rounds (2 hours /week for 30 week) 	14.3 %
	1		<ul style="list-style-type: none"> - Formative assessment 	7.1 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Procedure log of:

Procedure	number
Log of under supervision: <ul style="list-style-type: none"> • Gaseous induction • GA mask • Subarachnoid (spinal) • Nasal intubation • GA with endotracheal tube and IPPV • GA with LMA and spontaneous ventilation • GA with endotracheal tube and spontaneous ventilation • GA LMA IPPV 	5 5 10 5 20 10 20 5
Assist <ul style="list-style-type: none"> • Epidural block • Caudal block • Combined spinal-Epidural (CSE) • Double luminal tube: • CVP insertion 	5 5 as logged of as logged of 5
Observe (as logged of) <ul style="list-style-type: none"> • Brachial super-scapular block • Brachial maxillary block • Femoral block • Arterial line insertion • Brachial intra-Scapular block • Hand block • Ilio-inguinal block • Fiber optic intubation • Fiber optic awake 	as logged of

Year 2

(9 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Anesthesia		Anesthesia	Year 2	46.9% of the didactics of Unit 1
	5		Topics and attendance	55.5%
	0.5		5 hours Preoperative Assessment and Management Anesthesia for Healthy Patients Patient positioning Airway management	
	1		10 hours Principles of Pharmacokinetics and Pharmacodynamics: Pharmacology of Intravenous Anesthetics Pharmacology of Opioid Analgesics Total Intravenous Anesthesia Cardiovascular Drugs Pharmacology of Local Anesthetics	
	0.5		5 hours Anesthesia Drugs and Drug Delivery Systems Mechanisms of General Anesthetic Action Pharmacology of Inhalational Anesthetics Anesthesia Delivery System	
	1.5		15 hours Preoperative Evaluation of the Anesthesia Patient Evaluation of the Patient with Cardiovascular Disease Evaluation of the Patient with a Difficult Airway Evaluation of the Patient with Pulmonary Disease Evaluation of the Patient with Neuropsychiatric Disease Evaluation of the Patient with Neuromuscular or Skeletal Disease Evaluation of the Patient with Endocrine Disease Evaluation of the Patient with Renal Disease Evaluation of Patients with Hepatic Disease Evaluation of patients with Anemia or	

			Coagulation Disorders Evaluation of the Patient with Perioperative Malnutrition Evaluation of the Newborn Evaluation of Children Evaluation of the Geriatric Patient Evaluation of the Pregnant Patient Evaluation of the Obese Patient Evaluation of the Patient with Drug Addiction	
	1		10 hours Monitoring the Anesthesia Patient Hemodynamic Monitoring Transesophageal Echocardiography: Monitoring Respiratory system Neurologic Monitoring Monitoring of Neuromuscular Blockade Monitoring of Perioperative Electrolyte	
	0.5		5 hours Post-operative care Recovery of the Healthy Patient Postoperative Complications Management of Acute Postoperative Pain	
	1		- Seminars Attendance 1 seminar /week (2 hours /week for 15 week)	11.1%
	2		- Conference or workshop	22.3%
	1		- Formative assessment	11.1%
Student signature			Principle coordinator signature	Head of the department signature

Year 2

(40 credit point for training in Unit 1)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Anesthesia	18	Anesthesia	Practice with anesthesia of at least 2 weeks in each of operative lists in general surgery, orthopedic, gynecologic, ENT , ophthalmology, urology, plastic, vascular, and pediatric sections - Log of cases : 20 cases in each department - Log of procedure as mentioned below	45 %
	14		- Night shift (From 2 pm to 8 am) 1 night shift /week for 28 weeks in all surgical emergency units	35 %
	3		- Attendance of at least 6 weeks in the anesthesia clinic (3 hours/day)	7.5%
	2.5		- Attendance of at least 30% of clinical rounds (2 hours /week for 30 week)	6.25 %
	2.5		- Formative assessment	6.25 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Procedure log of:

Procedure	number
Log of under supervision:	
• Gaseous induction	15
• GA mask	15
• Subarachnoid (spinal)	30
• Nasal intubation	15
• GA with endotracheal tube and IPPV	30
• GA with LMA and spontaneous ventilation	20
• GA with endotracheal tube and spontaneous ventilation	30
• GA LMA IPPV	10
• Epidural block	5
• Caudal block	5
Assist	
• Combined spinal-Epidural (CSE) (5)	5
• Double luminal tube (5)	5
• CVP insertion (5)	5
• Arterial line insertion (5)	5
• Hand block (5)	5
• Fiber optic intubation (5)	5
• Fiber optic awake (5)	5
• Brachial super-scapular block	As logged
• Brachial maxillary block	As logged
• Femoral block	As logged
• Brachial intra-Scapular block	As logged
• Ilio-inguinal block	As logged

Year 3

(10.2 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Anesthesia		Anesthesia	Year 3	46.9% of the didactics of Unit 1
	6		Topics and attendance	58.8%
	1		Regional Anesthesia Neuraxial Anesthesia Paravertebral Anesthesia Peripheral Nerve Blocks Complications of Regional Anesthesia and their management	
	3.5		Specialty Areas of Anesthetic Practice Anesthesia for Gastrointestinal Surgery Anesthesia for Liver Surgery and Transplantation Anesthesia for Kidney, Pancreas, or Other Organ Transplantation Endocrine Surgery Anesthesia for Genitourinary and Renal Surgery Anesthesia for Obstetric and Gynecologic Surgery Neuroanesthesia Cardiac Anesthesia Anesthesia for Surgical Treatment of Congenital Heart Anesthesia for Major Vascular Surgery Thoracic Anesthesia Anesthesia for Heart or Lung Transplantation Anesthesia for Newborn Surgical Emergencies Anesthesia for Children Anesthesia for Orthopedic Surgery Anesthesia for Ophthalmic Surgery Anesthesia for Otorhinolaryngologic (Ear, Nose, and Throat) Surgery Outpatient Anesthesia Monitored Anesthetic Care and Conscious Sedation Anesthesia Care for Diagnostic or Therapeutic Procedures Outside of the Operating Room Anesthesia for Trauma Patients	

			Anesthetic Management of the Burned Patient	
	1		Some consideration for anesthesia care Blood and Blood Component Therapy Cognitive Dysfunction after Anesthesia and Surgery Protection of the Central Nervous System in Surgical Patients Anaphylactic Reactions and Anesthesia Thermoregulation, and Perioperative Hypothermia Malignant Hyperthermia	
	0.2		Anesthesia Risk Electricity, Electrical Safety, and Instrumentation in the Operating Room	
	0.3		Issues related to anesthesia The Economics of Health Care and Anesthesia Practice Approaches to Quality Improvement in Anesthesia Care Legal Issues in Anesthesiology	
	1		- Seminars Attendance 1 seminar /week (2 hours /week for 15 week)	9.8%
	2		- Conference or workshop	19.7%
	1.2		- Formative assessment	11.7%
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Year 3

(34 credit point for training in Unit 1

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Anesthesia	15	Anesthesia	Practice with anesthesia of at least 1 weeks in each of operative lists in general surgery, orthopedic, gynecologic, ENT , ophthalmology urology, and plastic departments <ul style="list-style-type: none"> - Log of cases : 10 cases in each department - Log of procedure as mentioned below Practice with anesthesia of at least 2 weeks in each of operative lists in vascular, pediatric, neurosurgery, and cardiothoracic departments <ul style="list-style-type: none"> - Log of cases : 20 cases in each department - Log of procedure as mentioned below 	44.1 %
	12		- Night shift (From 2 pm to 8 am) 1 night shift /week for 24 weeks in all surgical emergency units.	41.2 %
	3		- Attendance of at least 6 weeks in the anesthesia clinic (3 hours/day)	7.1%
	2		- Attendance of at least 30% of clinical rounds (2 hours /week for 30 week)	14.3 %
	2		- Formative assessment	7.1 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Procedure log of:

Procedure	number
Log of under supervision:	
• Gaseous induction (15)	15
• GA mask (15)	15
• Subarachnoid (spinal) (30)	30
• Nasal intubation (15)	15
• GA with endotracheal tube and IPPV (30)	30
• GA with LMA and spontaneous ventilation (20)	20
• GA with endotracheal tube and spontaneous ventilation (30)	30
• GA LMA IPPV (10)	10
• Epidural block (5)	5
• Caudal block (5)	5
• Combined spinal-Epidural (CSE) (5)	5
• Double luminal tube (5)	5
• CVP insertion (5)	5
• Arterial line insertion (5)	5
• Hand block (5)	5
• Fiber optic intubation (5)	5
• Fiber optic awake (5)	As logged of
• Brachial super-scapular block	As logged of
• Brachial maxillary block	As logged of
• Femoral block	As logged of
• Brachial intra-Scapular block	As logged of
• Ilio-inguinal block	As logged of

A-Clinical Rotation, Outpatient clinic, Case log and Night Shift

Clinical Rotation

[illegible]

Anesthesia clinic

[illegible]

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesia used

Procedures	Critical Incidence & complication	Trainee role			Supervisor Signature
		O	A	P	

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesia used

Procedures	Critical Incidence & complication	Trainee role			Supervisor Signature
		O	A	P	

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesia used

Procedures	Critical Incidence & complication	Trainee role			Supervisor Signature
		O	A	P	

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesi a used

Procedures	Critical Incidence & complication	Trainee role			Supervisor Signature
		O	A	P	

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesia used

Procedures	Critical Incidence & complication	Trainee role			Supervisor Signature
		O	A	P	

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesia used

Procedures	Critical Incidence & complication	Trainee role			Supervisor Signature
		O	A	P	

[illegible]

Patient Name	HN	Date	Age	ASA	Priority	Specialty & Type of Operation	Anesthesia used

Night Shift

[illegible]

Night Shift

[illegible]

Night Shift

[illegible]

B- Clinical Seminars log

First: Attendance

[illegible]

B- Clinical Seminars log

First: Attendance

[illegible]

B- Clinical Seminars log book

First: Attendance

[illegible]

Second: Case presentation

*Staff group
A- Group A
B- Group B
C- Group C

Post graduate teaching

First: lectures

[illegible]

Post graduate teaching

First: lectures

[illegible]

Post graduate teaching

Second: Tutorial

[illegible]

Post graduate teaching

Second: Tutorial

[illegible]

Postgraduate student's program Rotation in training assessment






* **Name:**




* **Period of training** **From:**




To:

* **Site:**

*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2) 	(3) 	(4) 	(5) 	(6) 	strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6) (7)		strongly agree (7)
Facilitate learning of students other health care professionals including their evaluation and assessment.									
Maintain therapeutic and ethically sound relationship with patients.									
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.									
Provide information using effective nonverbal, explanatory, questioning, and writing skills.									
Work effectively with others as a member of a health care team or other professional group.									
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.									
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.									

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6) (7)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in relevant health care delivery settings and systems including good administrative and time management								
Practice cost-effective health care and resource allocation that does not compromise quality of care.								
Assist patients in dealing with system complexities.								

Unit (module) 2:

Intensive Care



Unit (Module) 2
Intensive Care
Rotation / attendance proof
الأماكن التي تدرب بها

أسم المستشفى التي تدرب بها	توقيع رئيس القسم	توقيع مدير المستشفى

Unit (Module) Intensive Care

Requirements

- Credit points: 3.6 for didactic (lectures, seminars, tutorial) and 16.5 point for training.
 - Minimal rate of attendance 80% of training and didactic

Year 2

(1.6 credit point for didactic)



Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Intensive care medicine		Anesthesia	Year 2	46.9% of the didactics of Unit 1
	1.3		Topics and attendance	81.25%
	0.1		<i>1 Hour</i> The Pathophysiology of Critical Illness	
	0.1		<i>1 Hour</i> Evaluation of the trauma Patient and Patient with Multiple Organ Dysfunction Syndrome	
	0.1		<i>1 Hour</i> Monitoring and Transport of the Critically Ill Patient	
	0.1		<i>1 Hour</i> Sedation muscle relaxants and Pain Management in the ICU	
	0.1		<i>1 Hour</i> Hemodynamic Support of the Critically Ill Patient	
	0.1		<i>1 Hour</i> DVT and GIT prophylaxis in ICU	
	0.1		<i>1 Hour</i> Psychiatric problems in ICU	
	0.1		<i>1 Hour</i> Disorders of Fluid Volume	
	0.1		<i>1 Hour</i> Disorders of Water and sodium Balance	
	0.1		<i>1 Hour</i> Disorders of Potassium Balance, Phosphorus, Magnesium and Calcium Balance	

	0.1		<i>1 Hour</i> Acid-Base Homeostasis & Disorders	
	0.1		<i>1 Hour</i> Shock	
	0.1		<i>1 Hour</i> Respiratory failure	
	0.1		Seminars	6.25%
	0.1		Conference or workshop	6.25%
	0.1		Formative assessment	6.25%
Student signature			Principle coordinator signature	Head of the department signature

(6.5 credit point for Training in Unit 2)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Intensive care medicine	3	Anesthesia	➤ Practice with clinical cases for at least 3 weeks in the ICU including interpretation of their different radiologic patterns and related laboratory investigation Log of cases as logged of Procedure log as mentioned below	42.9 %
	3		- Night shift (From 2 pm to 8 am) 1 night shift /week for 6 weeks in ICU	28.6 %
	0.5		- Formative assessment	7.1 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Log of procedure:

 Log of under supervision at least
<ul style="list-style-type: none">• Order and perform ventilator adjustment 10 cases• Order CVP 5 cases• Perform Oral airway placement 5 cases• Perform ABG sampling 20 cases reports (as logged in Unit (Module) Pulmonary function testing)• Interpret haemodynamic monitoring 5 cases• Interpret ABG sampling 10 reports (as logged in Unit ((Module) Pulmonary function testing)
 Prescribe & Perform under supervision
<ul style="list-style-type: none">• Syring pump adjustment 10 case• Intubation at least 10 under supervision• NIV &IPPV modes and settings at least 10 under supervision

Year 3



(2 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Intensive care medicine		Anesthesia	Year 3	46.9% of the didactics of Unit 1
	1.7		Topics and attendance	85%
	0.2		2 Hour Mechanical Ventilation	
	0.2		2 Hour Nutrition & Malnutrition in the Critically Ill Patient	
	0.1		1 Hour Acute Hepatic Failure	
	0.1		1 Hour Acute and chronic renal failure	
	0.2		2 Hour Surgical Infections Sepsis and infections in ICU Principles of Antibiotic Use in the ICU	
	0.2		2 Hour Endocrine emergencies	
	0.1		1 Hour Cardiac problems in ICU	
	0.1		1 Hour Postoperative Arrhythmias and postoperative low cardiac output states	
	0.1		1 Hour Postoperative Care of the Noncardiac Surgical ICU Patient	
	0.1		1 Hour Bleeding and Coagulopathy	
	0.1		1 Hour Critical Care of the Vascular Surgery Patient	
	0.1		1 Hour Principles of Burn Treatment	
	0.1		1 Hour Poisonings & Ingestions	
	0.1		- Seminars	5%
	0.1		- Conference or workshop	5%
	0.1		- Formative assessment	5%
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

(10 credit point for training in Unit 2)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Intensive care medicine	5	Anesthesia	➤ Practice with clinical cases for at least 5 weeks in the ICU including interpretation of their different radiologic patterns (in CXR & CT chest) and related laboratory investigation Log of cases as logged of Procedure log as mentioned below	42.9 %
	4		- Night shift (From 2 pm to 8 am) 1 night shift /week for 8 weeks in ICU	28.6 %
	1		- Formative assessment	7.1 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Log of procedure:

 Log of
<ul style="list-style-type: none">• Order and perform ventilator adjustment 10 cases under supervision• Order CVP 5 cases under supervision• Perform Oral airway placement 5 cases• Perform ABG sampling 20 cases reports (as logged in Unit (Module) Pulmonary function testing)• Interpret haemodynamic monitoring 10 cases• Interpret ABG sampling 10 reports (as logged in Unit ((Module) Pulmonary function testing)
 Prescribe & Perform
<ul style="list-style-type: none">• Syring pump adjustment 10 case• Intubation at least 10• NIV &IPPV modes and settings at least 10

Unit (Module) Intensive Care Medicine

A. Attendance, Night shift and case log

Attendance

Date/ Duration From –to	Signature of supervisor		Date/ Duration From –to	Signature of supervisor

Night Shift

[illegible]

Night Shift

[illegible]

Night Shift

[illegible]

Cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Unit (Module) Intensive Care Medicine

B- Post graduate teaching

First: lectures

[illegible]

B- Post graduate teaching

First: lectures

[illegible]

B- Post graduate teaching

Second: Tutorial

[illegible]

B- Post graduate teaching

Third: Clinical Teaching

[illegible]

C- Procedures log book

Order and perform ventilator adjustment (Number 20)

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book Order CVP (Number 10)

NO.	Level of competency*	Location	Signature

Perform Oral airway placement (Number 10)

NO.	Level of competency*	Location	Signature

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

Interpret haemodynamic monitoring (15 cases)

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C-Procedures log book
Prescribe & Perform Syringe pump adjustment (20 case)

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

Prescribe & Perform Intubation (20 case)

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

Prescribe & Perform NIV &IPPV modes and settings (20 case)

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

Postgraduate student's program Rotation in training assessment




* **Name:**




* **Period of training** **From:**




To:

* **Site:**

*Rotation

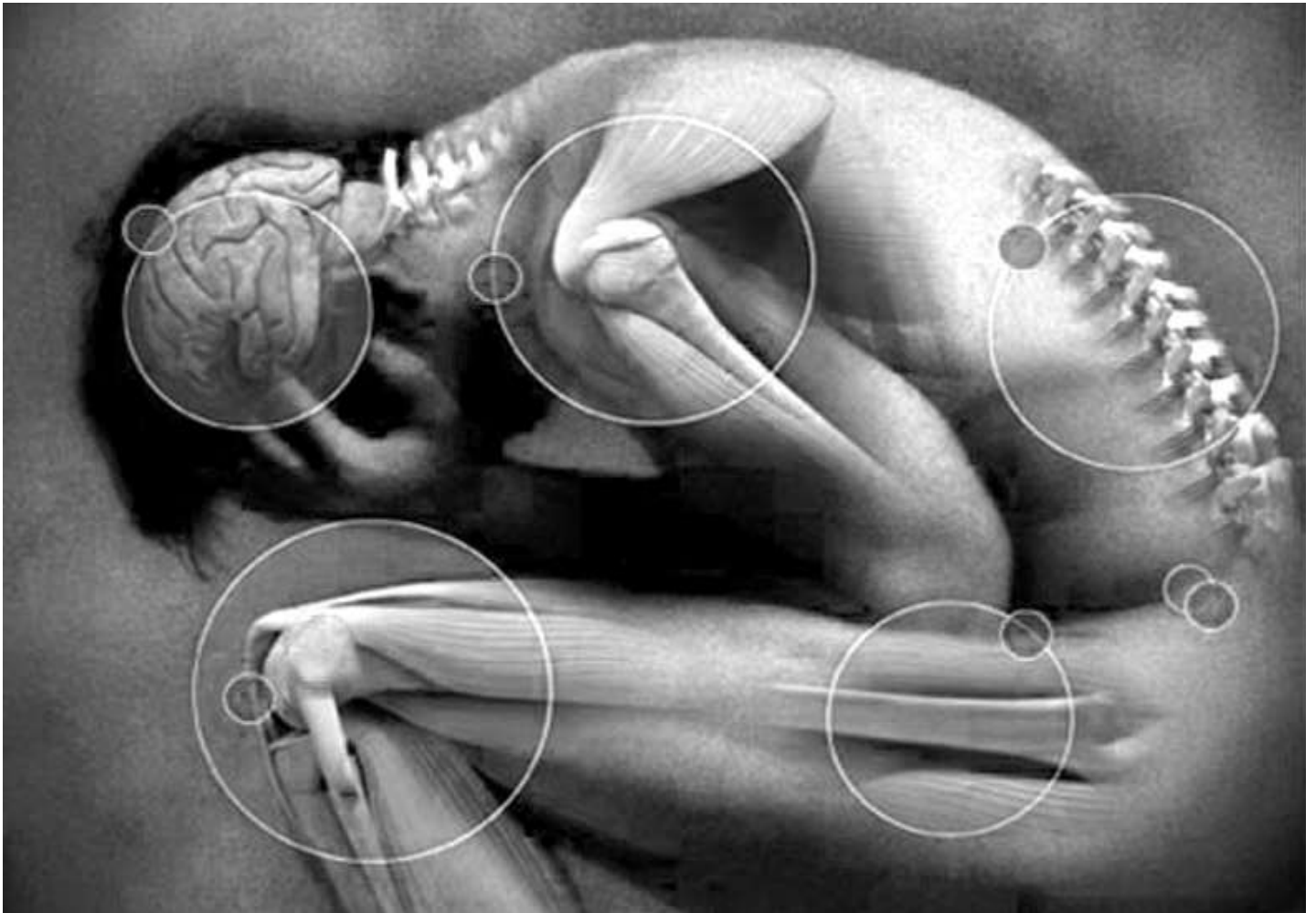
General skills	could not judge (0)	strongly disagree(1)	(2) 	(3)	(4) 	(5)	(6) 	strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6) (7)		strongly agree (7)
Facilitate learning of students other health care professionals including their evaluation and assessment.									
Maintain therapeutic and ethically sound relationship with patients.									
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.									
Provide information using effective nonverbal, explanatory, questioning, and writing skills.									
Work effectively with others as a member of a health care team or other professional group.									
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.									
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.									

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6) (7)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in relevant health care delivery settings and systems including good administrative and time management								
Practice cost-effective health care and resource allocation that does not compromise quality of care.								
Assist patients in dealing with system complexities.								

Unit (Module) 3

Pain Management



Unit (Module) 3
Unit (Module) Pain Management

Rotation / attendance proof
الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Unit (Module) Pain Management

Requirement

- **Credit points: 1.2 points for didactic (lectures, seminars, tutorial) and 5.5 point for training.**
 - Minimal rate of attendance 80% of training and didactic
 - MCQ Assessment (One MCQ examination at the second half of the second year)

Year 3

(1.2 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Chronic pain Management		Anesthesia	Year 3	46.9% of the didactics of Unit 1
	2		Topics and attendance	83.3%
	0.1		1 Hour Anatomy and physiology of Chronic Pain	
	0.3		3 Hour Common Pain Syndromes	
	0.1		1 Hour Psychological Aspects of Chronic Non-Cancer Pain	
	0.2		2 Hour Medical Management of Chronic Pain	
	0.2		2 Hour Interventional Management of Chronic Pain	
	0.1		1 Hour Palliative and Cancer Pain Care	
	0.2		- Formative assessment	16.7%
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

(5.5 credit point for Training in Unit 3)

Name of the course	Credit points	Responsible department	Attendance	Percentage of achieved points
Chronic Pain Management	5	Anesthesia	Attendance of at least 10 weeks in the Outpatient clinic (3 hours/day) - Log of cases : 70 cases - Log of procedures: logged of	90.9 %
	0.5		- Formative assessment	9.1 %
<i>Student signature</i>			<i>Principle coordinator signature</i>	Head of the department signature

Unit (Module) Pain Management

A. Attendance and cases log

Attendance

[illegible]

Clinical cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Clinical cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Clinical cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Clinical cases log book

[illegible]

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

B- Post graduate teaching

First: lectures

[illegible]

B- Post graduate teaching

Second: Tutorial

[illegible]

Unit (Module) Chronic Pain Management

C- Procedures log book

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

[illegible]

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

Postgraduate student's program Rotation in training assessment




* **Name:**




* **Period of training** **From:**




To:

* **Site:**

*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2) 	(3)	(4) 	(5)	(6) 	strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6) (7)	
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6)	strongly agree (7)
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in relevant health care delivery settings and systems including good administrative and time management								
Practice cost-effective health care and resource allocation that does not compromise quality of care.								
Assist patients in dealing with system complexities.								

Elective Course

Requirements

● **Credit points:** 2 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- Hospital management

Elective Course Practical skills

[illegible]

Academic activities

Lecture, journal club, conference, workshop

[illegible]

**** Your role:-**

A- Attendance

B- Organization

C- Presentation

Formative assessment and MCQ

[illegible]

*Degree

A- Excellent

B- Very good

C- Good

D- Pass

الرسائل العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

1- _____

2- _____

3- _____

4- _____

تاريخ القيد لدرجة : _____ / /

تاريخ التسجيل الموضوع : _____

المتابعة الدورية : _____

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
Course 1: Pharmacology			
Course 2: Physiology			
Course 3: Anatomy			
Course 4 : Measurements			
Course 5 : Internal Medicine			
Second Part			
Course 6			
Unit (Module) 1			
Unit (Module) 2			
Unit (Module) 3			
- Elective Course (s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Anesthesia and Intensive care M Sc Degree Principle Coordinator:			
Date approved by Anesthesia and Intensive care Department Council:			

يعتمد ،

رئيس القسم