

# control *Log Book*

## "كراسة الأنشطة"

## اللازمة لحصول المتدرب على درجة الماجستير في

## مكافحه العدوى



**2020-2021/2021-2022**



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QAU



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Faculty of Medicine

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Personal photo

Name.....

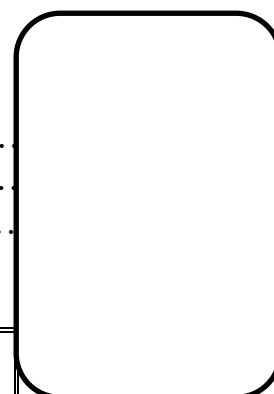
Date of birth.....

Address.....

Place of work.....

Telephones..... Mobile phone(s).....

E mail.....



Name of lab	Period of work	Lab director signature

## Academic Information

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

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 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- specimens processing log**

1- You will first find list with all steps of specimens processing in the concerned module and the minimum number of slides you must prepared, sectioned and stained.

2- You should record all methods of preparing of different tissues for examination by light microscope as well as those for examination by electron microscope in the module and each technique should be signed by you trainer



## **2- Different stains presentation log**

Record the different staining techniques that you have presented in a seminar of the activity.

## **3- Staining / imaging log**

- 1- You will find a list for different *Staining techniques*, imaging either by light microscope or by TEM as well as by SEM . Also the 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,....."

### 2- Academic achievements

- A- Document all outcomes you achieved in the field of:-
- Audit participation
  - Research "processing specimens and imaging slides " participation.
  - Evidence- based medicine "generation of guidelines" protocols
  - .....

### 3- Formative assessment log

- This document all types of formative assessment attended e.g.:-
- Mini practical examination
  - Quises



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### Program aims

- Enhance understanding of the world of microbiology, which will then enable the candidate to formulate a management strategy to care for infectious patients and prevent further spread of disease. In addition to enhance awareness of the potential impact of emerging and re-emerging diseases and antibiotic resistance and to understand the role of antimicrobial stewardship in infection control and the role of the laboratory in the field of infection control.
- Recognize the benefit to patients and healthcare workers of adhering to scientifically accepted principles and practices of infection prevention and control practices in all healthcare settings and the consequences of failing to comply. In addition to understanding of health economic aspects of infection prevention and control across the healthcare economy and in resource poor settings.
- Recognize the professional's responsibility to monitor infection prevention and control practices of those medical and ancillary personnel for whom he or she is responsible and intervene as necessary to assure compliance and safety.
- Ensure that candidates have sufficient knowledge, skills and attitudes, essential for leading and managing Infection Prevention and Control programs and are capable of developing, implementing, supervising and auditing a comprehensive infection prevention and control program in different healthcare facilities. All this will enable the student to be more effective in his/her role by maintaining the best practices within the field of infection prevention and control.
- Guarantee that IC professionals are capable of working within the integrated programs of quality assurance and accreditation.
- Promote multi-disciplinary working which will add value to the workplace.
- To endow students with an understanding of the essential principles of research design.
- Develop strategies for surveillance, access, understanding and applying published research evidence as applied to the practice of infection prevention and control and developing the necessary skills to continue their own professional development.
- Understand the modes of statistical data analysis pertinent to infection control across the healthcare economy.



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## Curriculum Structure:

### Program Time Table

Duration of program 3 years maximally 5 years divided into

- Part 1

Program-related essential 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 M Sc 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 specialized science 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.**



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# First Part

## Academic activities of basic and supportive sciences

Practice with academic and clinical departments during year 1

**Course 1: Basic and Clinical Medical Microbiology**

**Course 2: Immunology**

**Course 3: Epidemiologic Methods for Infection Control**

**Course 4: Applied Biostatistics**



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# Course 1: Basic and Clinical Medical Microbiology

## Requirements

- **Credit points:** 3 credit points for didactic (lectures, seminars, tutorial) and 4 points for training.
  - Minimal rate of attendance 80% of training and didactic
    - MCQ assessment (one at the 2nd half of the 1st year)
    - One practical exam at the 2nd half of the 1st year



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## Requirements

♦ Credit points: 3 credit points for didactic in year 1

Name of the course	Credit points	Responsible department	Attendance& TOPICS	Percentage of Achieved points
Basic and Clinical Medical Microbiology_	3CP	Medical Microbiology & Immunology	Year one	100%
	<u>2.75 CP</u>		27.5 hours Basic and Clinical Medical Microbiology	
	0.2 CP		1. General Microbiology 2 hr	6.7%
	0.1CP		2. Types of host-parasite relationships 1 hr	3.3%
	0.25CP		3. Epidemiology, Pathogenesis, laboratory diagnosis and management of infections caused by	8.3%
	0.2CP		-Bacteria 2.5 h	6.7%
	0.1CP		-Viruses 2h	3.3%
			-fungi 1hr	
	0.1CP		4. Infectious Diseases and their management	
	0.1CP		▪ Respiratory tract infection 1h	3.3%
	0.1CP		▪ Urinary tract infection 1h	3.3%
	0.1CP		▪ Gastrointestinal infections 1h	3.3%
	0.1CP		▪ Skin and soft tissue infection 1h	3.3%
	0.1CP		▪ Encephalitis/Meningitis 1h	3.3%
	0.1CP		▪ Deep infection (e.g. septicemia, endocarditis, bone infection) 1h	3.3%
	0.1CP		▪ Genitourinary tract, sexually transmitted infections (STIs).	3.3%



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	0.1CP		1h	
	0.1CP		<ul style="list-style-type: none"> <li>Infectious disease in pregnancy and children. 1h</li> <li>Infections in immunocompromised hosts. 1hr</li> </ul>	3.3%
	0.5		5. Antimicrobial Medications (Antibacterial, Antifungal and Antiviral) 5hr	16.7%
	0.1CP		6. Laboratory Safety	
	0.2CP		<ul style="list-style-type: none"> <li>Laboratory acquired infection 1hr</li> <li>Classification of pathogens according to risk groups Containment 2hr</li> <li>Biosafety 2hr</li> </ul>	3.3%
	0.2CP			6.7%
	0.25CP		Formative assessment	8.3%
Student signature			Principle coordinator Signature	Head of the department signature



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● Credit points: 4 credit point for practical training in year 1

Name of the course	Credit points	Responsible department	Attendance& TOPICS	~
Basic and Clinical Medical Microbiology_	4CP	Medical Microbiology & Immunology	Year 1	100%
	<u>3.75 CP</u>		Practice training in infection control research lab. and Medical Microbiology & immunology Department lab. for at least 18 weeks (6hr/wk) with practice of: -basic principles of diagnostic microbiology:	43.75%
	1.75 CP		<ul style="list-style-type: none"> <li>Standards of Practice</li> <li>Sample collection and processing (Clinical &amp; Environmental)</li> <li>Staining and culture techniques</li> <li>Diagnostic and Identification tests of common bacterial pathogens.</li> <li>Serologic and antigen-based diagnostic techniques</li> <li>Molecular diagnostic techniques</li> <li>Automated and semi-automated methodologies in microbiology</li> </ul>	
	1CP		-Antimicrobial susceptibility testing: <ul style="list-style-type: none"> <li>Techniques for susceptibility testing and interpretation of the results.</li> <li>The use and limitations of antibiogram for outbreak</li> </ul>	25%



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	1CP		investigation and control.  <b>Typing methods:</b> <ul style="list-style-type: none"> <li>▪ Biotyping methods.</li> <li>▪ Serotyping methods.</li> <li>▪ Antibigram</li> <li>▪ Phage typing</li> <li>▪ Colicin typing</li> <li>▪ Genotypic methods.</li> </ul>	25%
	0.25CP		Formative assessment	6.25%
Student signature			Principle coordinator Signature	Head of the department signature



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### Didactics Attendance

Date	Attendance	Topic	Signature

**Remarks:**

**Signature:**



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Date	Attendance	Topic	Signature

**Remarks:**

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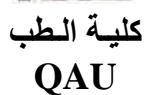
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## Attendance in Infection control Research lab. and Medical Microbiology lab.

Date	Signature of supervisor	Date	Signature of supervisor

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed



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**\*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.						



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General skills	could not judge (0)	strongly disagree (1)	(2) (3)		(4) (5)		(6)	strongly agree (7)
Facilitate learning of students, lab technical staff and other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients, their families, lab technical staff and other health professionals.								
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 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.								



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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 academic and health care delivery settings and systems including good administrative and time management.								
Adopt cost-effective practice and resource allocation that does not compromise quality of services.								
Assist patients in dealing with system complexities.								



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## Course 2: Immunology

### Requirements

- **Credit points:** 1 credit point for didactic (lectures, seminars, tutorial), 0 CP for training
- Minimal rate of attendance 80% of didactic
  - MCQ assessment (one at the 2nd half of the 1st year)



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## Requirements

• Credit points: 3 credit points for didactic in year 1

Name of the course	Credit points	Responsible department	Attendance& TOPICS	Percentage of Achieved points
<u>Immunology</u>	1CP	Medical Microbiology & Immunology	Year1	100%
	<b>0.9 CP</b>		<b>9 hours for Basics of Immunology</b>	
	0.1CP		-Innate immunity 1hr	10%
	0.2 CP		-Humoral Immune response 2hr	20%
	0.2CP		-Cellular Immune response 2hr	20%
	0.1CP		-Imunophylaxis, vaccines and schedules of immunization. 1hr	10%
	0.1CP		-Hypersensitivity reactions 1hr	10%
	0.1CP		-Immunodeficiency disorders	10%
			Immunosuppressives and Immunomodulators 1hr	
	0.1CP		-Principles of Immunological testing 1hr	10%
	0.1CP		Formative assessment	10%
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## Didactics Attendance

Date	Attendance	Topic	Signature

**Remarks:**

**Signature:**



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Date	Attendance	Topic	Signature

**Remarks:**

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## Course 3: Epidemiologic Methods for Infection Control

### Requirements

- **Credit points:** 2.5 credit point for didactic (lectures, seminars, tutorial) and 3.5 credit points for training.
  - Minimal rate of attendance 80% of training and didactic
    - MCQ assessment (one at the 2nd half of the 1st year)
    - One practical exam at the 2nd half of the 1st year



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## Requirements

● Credit points: 2.5 credit point for didactic in year 1

Name of the course	Credit points	Responsible department	Attendance & TOPICS	Percentage of Achieved points
Epidemiologic course	2.5CP	Public health and Community Medicine department	Year one	100%
	<u>2.25 CP</u>		<b>1. General principles of Epidemiology 2.5 hr</b> <ul style="list-style-type: none"> <li>Basic principles</li> <li>Use of epidemiology in healthcare</li> </ul> <b>2. Surveillance (10hrs)</b> <ul style="list-style-type: none"> <li>Basic principles and definitions</li> <li>Basic statistical measures used for surveillance</li> <li>Surveillance methodologies</li> <li>Elements of an effective surveillance program</li> <li>Surveillance program evaluation</li> <li>Using information technologies</li> <li>Surveillance for healthcare associated infections</li> <li>Surveillance for outbreaks and emerging infectious diseases and bioterrorism</li> <li>Surveillance for multidrug resistant organisms</li> </ul> <b>3. Research study design (4hrs)</b>	10%
	0.25 CP			40%
	1CP			
	0.4CP		<b>4. Qualitative research methods (6hrs)</b>	16%
	0.6 CP			24%



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			<ul style="list-style-type: none"> <li>• Background and basic principles</li> <li>• Characters of qualitative research design</li> <li>• Qualitative methods</li> </ul>	
	0.25CP		Formative assessment	10%
Student signature			Principle coordinator signature	Head of the department signature



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● Credit points: 3.5 credit point for practical training in year 1

Name of the course	Credit points	Responsible department	Attendance& TOPICS	Percentage of Achieved points
Epidemiologic course	3.5CP	Public health and Community Medicine department	Year 1	100%
	<b>3.25 CP</b>		Practical training in the Public Health and Community Medicine Department for at least 7 weeks (3h/day) on how to:	7.14%
	0.25 CP		1. Use of epidemiology in healthcare	42.9%
	1.5CP		2. Apply surveillance programs for healthcare associated infections <ul style="list-style-type: none"> <li>Basic statistical measures used for surveillance</li> <li>Surveillance methodologies</li> <li>Elements of an effective surveillance program</li> <li>Surveillance program evaluation</li> <li>Using information technologies</li> <li>Surveillance for healthcare associated infections</li> <li>Surveillance for outbreaks and emerging infectious diseases and bioterrorism</li> <li>Surveillance for multidrug resistant organisms</li> </ul>	21.4%
	0.75CP 0.75CP		3. Design research study 4. Apply different qualitative research methods	21.4%
	0.25CP		Formative assessment	7.14%
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### Didactics Attendance

Date	Attendance	Topic	Signature

**Remarks:**

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Date	Attendance	Topic	Signature

**Remarks:**

**Signature**



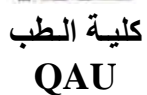
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### Attendance in in the Public Health and Community Medicine Department.

Date	Signature of supervisor	Date	Signature of supervisor

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed



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## Course 4 :Applied Biostatistics

### Requirements

- **Credit points:** 1.5 credit point for didactic (lectures, seminars, tutorial) and 2.5 credit points for training.
- Minimal rate of attendance 80% of training and didactic
  - MCQ assessment (one at the 2nd half of the 1st year)
  - One practical exam at the 2nd half of the 1st year



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## Requirements

● Credit points: 1.5 credit point for didactic in year 1

Name of the course	Credit points	Responsible department	Attendance & Topics	Percentage of Achieved points
Biostatistics course	1.5CP	Public health and Community Medicine department	Year one	100%
	<b>1.25 CP</b>		<b>1. Use of statistics in infection prevention</b> <ul style="list-style-type: none"> <li>Basic principles 1 hr</li> <li>Descriptive statistics 2 hr</li> <li>Inferential statistics 2 hr</li> <li>Graphic display data 1.5 hr</li> </ul>	43.3%
	0.65 CP		<b>2. Risk adjustment comparisons</b> <ul style="list-style-type: none"> <li>Background 1hr</li> <li>Methods (device associated infections and laboratory identified events) 2 hr</li> </ul>	20%
	0.3 CP		<b>3. Outbreak investigations</b> <ul style="list-style-type: none"> <li>Basic principle 1 hr</li> <li>The epidemic curve 1 hr</li> <li>Common source and propagated source outbreak 1 hr</li> </ul>	20%
	0.25CP		Formative assessment	16.7%
Student signature			Principle coordinator Signature	Head of the department signature



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## Requirements

● Credit points: 2.5 credit point for training in year 1

Name of the course	Credit points	Responsible department	Attendance & TOPICS	Percentage of Achieved points
Biostatistics course	2.5CP	Public health and Community Medicine department	5 weeks (3h/day) in year 1	100%
	<u>2.25 CP</u>		<b>Practical training in the Public Health and Community Medicine Department for at least 5 weeks (3h/day) on how to:</b>	50%
	1.25 CP		1. Apply statistics in infection prevention <ul style="list-style-type: none"> <li>• Descriptive statistics</li> <li>• Inferential statistics</li> <li>• Graphic display data</li> </ul>	
	0.5 CP		2. Risk adjustment comparisons Methods (device associated infections and laboratory identified events)	
	0.5 CP		3. Outbreak investigation Epidemic curve analysis	20%
	0.25CP		Formative assessment	10%
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Date	Attendance	Topic	Signature

**Remarks:**

**Signature:**



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Date	Attendance	Topic	Signature

**Remarks:**

**Signature**



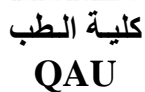
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### Attendance in in the Public Health and Community Medicine Department.

Date	Signature of supervisor	Date	Signature of supervisor

[illegible]

C- Observed



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## Speciality courses

### Requirements

- **Credit points:** 24 credit point for didactic (lectures, seminars, tutorial) and 116 point for training (20CP during year 1 and 96 during year 2, 3).

- ✚ Minimal rate of attendance 80% of didactic and training

# Speciality course

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
<b>Course 5: Infection Control1</b> (Basic principles and general guidelines for infection prevention and control)	22.8%	1,2	12	20	32
<b>Course 6: Infection Control 2</b> (Advanced infection, prevention and control)	87.2%	2,3	12	96	108
<b>Total</b>	100%	1,2,3	24	116	140



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## ***Rotation / attendance proof*** **الأماكن التي تدرب بها**

توقيع مدير المعمل	توقيع رئيس القسم	أسم المعامل التي تدرب بها



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## Course 5: Infection Control 1

### (Basic principles and general guidelines for infection prevention and control) Requirements

- **Credit points:** 12 credit points for didactic (lectures, seminars, tutorial) and 20 points for training.
- Minimal rate of attendance 80% of training and didactic
  - MCQ assessment (two; one at the end of the first half of the 2<sup>nd</sup> year and one at the 2nd half of the 2nd year)
  - One practical exam at the end of the first half of the 2<sup>nd</sup> year



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## Requirement:

12 credit points for didactic in year 2

Name of the course	Credit points	Responsible department	Attendance& TOPICS	Percentage of Achieved points
<b>Infection Control 1</b> <b><u>Basic principles and general guidelines for infection prevention and control</u></b>	<b>12CP</b>	Medical Microbiology & Immunology	Year 2 lectures for 120 hours	100%
	<b>2.5 CP</b>		<b><u>Basic infection control principles</u></b> (25 hours lectures)	
	0.3CP		1. Basic concepts and definitions of infection control. 3hr	2.5%
	0.4CP		2. CDC definitions of HAIs. 4hr	3.3%
	0.5CP		3. The IC programme 5hr	4.2%
	0.5CP		4. Outbreak investigations and management. 5hr	4.2%
	0.4CP		5. Auditing 4hr	3.3%
	0.4 CP		6. Infectious process 4hr	3.3%
	<b>2.5 CP</b>		<b><u>Universal infection control guidelines</u></b> (25 hours lectures)	
	0.4 CP		1. Standard infection control guidelines and measures. 4hr	3.3%
	0.4 CP		2. Isolation precautions. 4hr	3.3%
	0.4 CP		3. IC guidelines for support services 4hr	3.3%
	0.5 CP		4. Environment care IC issues 5hr	4.2%
	0.4 CP		5. Prevention and management of sharps injury. 4hr	3.3%
	0.4 CP		6. Policy for Central Sterile Supply Department . 4hr	3.3%
	<b>5.5 CP</b>		<b><u>Infection control measures for infectious diseases</u></b>	



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			(55 hours lectures lectures)	
	1.3CP		1. Infection control measures for communicable diseases Infectious 13 hr	10.8%
	1.3 CP		2. Diseases Regulations 13 hr	10.8%
	1.5 CP		3. Antibiotic stewardship 15hr	12.5%
	1.4 CP		4. Infection control strategies for antibiotic resistant organisms 14 hr	11.7%
	1 CP		Attendance of academic activities including the following: -Seminars for at least 50% of seminars of the department -attendance of 50% scientific days related to basic infection control held in Assiut University hospitals -attendance of at least one conference	8.4%
	0.5 CP		Formative assessment	4.2%
Student signature			Principle coordinator signature	Head of the department signature



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## Requirement:

20 credit points for training in year 1

Name of the course	Credit points	Responsible department	Attendance & training	Percentage of Achieved points
<b>Infection Control1</b> <b>(Basic principles and general guidelines for infection prevention and control)</b>	<b>20CP</b>	Medical Microbiology & Immunology department	Attend and achieve Practical training in different hospital units of infection control for at least 6h/week for 20 weeks.	100%
	<b>18.5 CP</b>		<b>Attend and practice</b> in different hospital units for achievement and fulfilling <b>the following practical skills</b>	
	2CP		• Standard infection control guidelines and measures	10%
	1CP		• Auditing	5%
	2CP		• Isolation precautions.	10%
	2CP		• Outbreak investigation	10%
	1.5CP		• IC guidelines for support services:	7.5%
			○ Laundry	
	2CP		○ kitchen	10%
	2CP		• Environment care IC issues	10%
	2CP		• Prevention and management of sharps injury.	10%
	2CP		• Policy for Central Sterile Supply Department	10%
	2CP		• Infection control measures for communicable diseases	
	2CP		• Infection control strategies for	10%



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			antibiotic resistant organisms	
	0.5CP		Attendance of at least one workshop related to basic infection control	2.5%
	1CP		Formative assessment	5%
Student signature			Principle coordinator Signature	Head of the department signature



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## Lecture Attendance

Date	Attendance	Topic	Signature

**Remarks:**

**Signature:**



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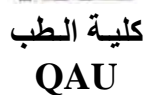
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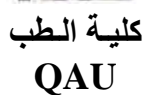
## Lecture Attendance

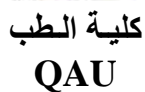
Date	Attendance	Topic	Signature

**Remarks:**

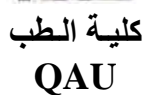
**Signature**

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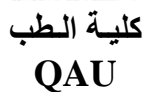
[illegible]

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed



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## B-Seminars

### Requirements

- Attendance of at least 50% of the seminars
- Presentation of at least 3 cases in the seminar per year
- Log of at least 1 evidence-based guidelines

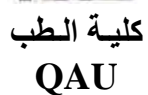
### First: Attendance

Date	Attendance	Topic	Signature

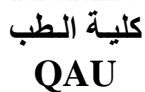


## First: Attendance

[illegible]

[illegible]

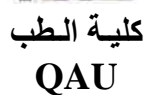
A- Group A  
B- Group B  
C- Group C

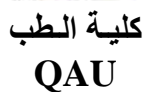


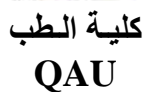
## Post graduate teaching

### First: lectures

[illegible]

[illegible]

[illegible]

[illegible]



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## Post graduate teaching Second: practical Teaching

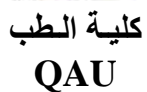
Date	Title	Signature of Staff member

\* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



## Formative assessment and MCQ

[illegible]

\*Degree

A- Excellent

B- Very good

C- Good



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\* **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.						



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General skills	could not judge (0)	strongly disagree (1)	 (2 )    (3)		 (4 )    (5)		 (6)    (7)	
Facilitate learning of students, lab technical staff and other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients, their families, lab technical staff and other health professionals.								
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 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.								



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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 academic and health care delivery settings and systems including good administrative and time management.								
Adopt cost-effective practice and resource allocation that does not compromise quality of services.								
Assist patients in dealing with system complexities.								



## Course 6: Infection Control 2

### (Advanced infection, prevention and control)

#### Requirements

- **Credit points: 12** credit points for didactic (lectures, seminars, tutorial) and **96** points for training.
  - Minimal rate of attendance 80% of training and didactic
    - MCQ assessment (two; one at the 2nd half of the 2<sup>nd</sup> year and one at the 2nd half of the 3rd year)
    - Practical exams (three; one at the end of the first half of the 2<sup>nd</sup> year, one at the end of the 2nd year and one at the end of the 3rd year)



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## **Rotation / attendance proof**

### **الأماكن التي تدرب بها**

توقيع مدير المعمل	توقيع رئيس القسم	أسم المعامل التي تدرب بها



Name of the course	Credit points	Responsible department	Attendance & TOPICS	Percentage of Achieved points
<b>Infection Control 2 (Advanced infection, prevention and control)</b>	<b><u>7 CP</u></b>	Medical Microbiology & Immunology	Year 2	58.3% of total didactic of the Infection control 2 course
	<b><u>6 CP</u></b>		<b><u>Infection control in practice settings (60 hours lectures)</u></b> <b>- Infection control in specific patient care settings:</b>	
	0.4CP		• Intensive care unit 4hr	5.7%
	0.4CP		• Neonatal intensive care unit 4hr	5.7%
	0.4CP		• Operating room 4hr	5.7%
	0.3CP		• Burn unit 3hr	4.2%
0.3CP	• Dentistry unit 3hr	4.2%		
0.3CP	• Renal dialysis units 3hr	4.2%		
0.3CP	• Endoscopy unit 3hr	4.2%		
0.3CP	▪ Transplantation unit 3hr	4.2%		
0.3CP	• dentistry unit 3hr	4.2%		
0.3CP	• Imaging services & radiation 3hr	4.2%		
0.3CP	• Post mortem care 3hr	4.2%		
		<b>-Prevention of procedure/device related infections:</b>		
	0.3CP	▪ Urinary catheter related infections 3hr	4.2%	
	0.3CP	▪ Intravascular device related infections 3hr	4.2%	
	0.3CP	▪ Surgical site related infections 3hr	4.2%	
	0.3CP	▪ Ventilator associated pneumonia 3hr	4.2%	
		<b>Infection control practices in out-patient healthcare settings.</b>		
	0.4CP	• Ambulatory care 4hr	5.7%	
	0.4CP			



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	0.4CP		<ul style="list-style-type: none"> <li>Home care 4hr</li> <li>Doctor's office 4hr</li> </ul>	5.7% 5.7%
	0.5 CP		Attendance of academic activities including the following: -Seminars for at least 50% of seminars of the department -attendance of 50% scientific days related to advanced infection control held in Assiut University Hospitals -attendance of at least one conference	7.1%
	0.5CP		Formative assessment	7.1%
Student signature			Principle coordinator Signature	Head of the department signature



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## Requirement: 50 CP for training in year 2

Name of the course	Credit points	Responsible department	Attendance & TOPICS	Percentage of Achieved points
<b>Infection Control 2</b> <u>(Advanced infection, prevention and control)</u>	50CP	Medical Microbiology & Immunology	Year 2	62.5% of total training in Infection Control 2
	<u>47 CP</u>		Attendance and practice in hospital units and practice the following practical skills and fulfilling the following procedure log (attendance for at least 30 weeks; 3hr twice per week):	18%
	9 CP		1. Field training for Infection control in specific patient care settings (units) to achieve skills in: <ul style="list-style-type: none"> <li>Prevention of procedure/device related infections</li> <li>Infection control practices in out-patient healthcare settings.</li> <li>Quality concepts of IC</li> <li>Specific Infection Control Field Training</li> </ul>	
	10CP		2. Structured supervising training for the following (Practice cases in microbiology lab) <ul style="list-style-type: none"> <li>Hand Hygiene</li> <li>Personal Protective equipment</li> <li>Aseptic techniques</li> </ul>	20%
	10CP		3. Patient care equipment management: (practicing and attendance in sterilization units)	20%



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	9CP		<ul style="list-style-type: none"> <li>Cleaning</li> <li>Disinfection</li> </ul>	
	9CP		4. Sterilization of heat resistant items <ul style="list-style-type: none"> <li>Autoclaving process</li> <li>Hot air ovens</li> </ul>	18%
			5. Sterilization of heat sensitive items <ul style="list-style-type: none"> <li>EO</li> <li>H2O2 gas plasma</li> </ul> Chemical sterilants (Automated peracetic acid processor)	18%
	1CP		Attendance of at least two workshops related to advanced infection control	2%
	2CP		Formative assessment	4%
Student signature			Principle coordinator Signature	Head of the department signature



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## 5 credit points for didactic in year 3

Name of the course	Credit points	Responsible department	Attendance & TOPICS	Percentage of Achieved points
<b>Infection Control 2 (Advanced infection, prevention and control)</b>	<b>5 CP</b>	Medical Microbiology & Immunology	Year 3 lectures	41.7% of total didactic of the Infection control 2 course
	<b>4CP</b>		<b><u>Occupational Safety issues and Quality concepts (40 hours)</u></b>	
	0.7CP		<b>1. Advanced occupational safety issues:</b>	
	0.7CP		▪ Screening programs for health care workers	14%
	0.7CP		▪ Adult immunization programs	14%
	0.7CP		▪ Work restrictions	14%
	0.7CP		▪ Needlestick incident management follow-up for health care workers	14%
	0.6CP		<b>2. Quality concepts of IC:</b>	
	0.6CP		▪ Coordination of quality/performance improvement activities related to infection control	12%
			▪ The use of graphic tools (e.g., "fishbone" diagram)	12%
	0.5 CP		Attendance of academic activities including the following: -Seminars for at least 50% of seminars of the department -attendance of 50% scientific days related to advanced infection control held in Assiut University Hospitals -attendance of at least one conference	10%
	0.5 CP		Formative assessment	10%
Student			Principle coordinator	Head of



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signature			Signature	the departm ent signature



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## Requirment 46 CP for training in year 3

Name of the course	Credit points	Responsible department	Attendance& TOPICS	Percentage of Achieved points
<b>Infection Control 2 (Advanced infection , prevention and control)</b>	46CP	Medical Microbiology & Immunology	Year 3	37.5% of total training in Infection Control 2
	<u>44CP</u>		Attendance and practice in hospital units and practice the following practical skills and fulfilling the following procedure log (attendance for at least 27 weeks; 3hr twice per week):	
	9 CP		1. Advanced occupational safety issues	19.6%
	9 CP		2. Environmental protection, cleaning and disinfection	19.6%
	9 CP		3. Linen management (practicing and visiting the unit)	19.6%
	9 CP		4. Waste management (practicing and visiting waste mangment in hospitals)	19.6%
	8 CP		5. Isolation precaution	17.4%
	1CP		Attendance of at least two workshops related to advanced infection control	2.2%
	1CP		Formative assessment	2.2%
Student signature			Principle coordinator Signature	Head of the department signature



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### Lecture attendance

Date	Attendance	Topic	Signature

**Remarks:**

**Signature:**



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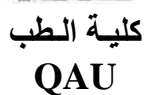
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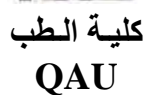
## Lecture Attendance

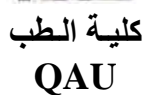
Date	Attendance	Topic	Signature

**Remarks:**

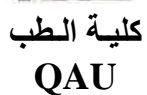
**Signature**

[illegible]

[illegible]

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed



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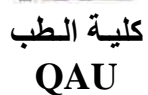
## B-Seminars

### Requirements

- Attendance of at least 50% of the seminars
- Presentation of at least 3 cases in the seminar per year
- Log of at least 1 evidence-based guidelines

### First: Attendance

Date	Attendance	Topic	Signature



## First: Attendance

[illegible]



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### B- Second: Seminars presentation

Date	Staff group*	Case	Signature

\*Staff group

A- Group A

B- Group B

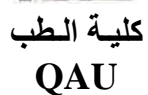
C- Group C



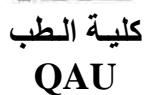
## Post graduate teaching

### First: lectures

[illegible]

[illegible]

[illegible]

[illegible]



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## Post graduate teaching Second: practical Teaching

Date	Title	Signature of Staff member

\* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



## Formative assessment and MCQ

[illegible]

\*Degree

A- Excellent

B- Very good

C- Good



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\* **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.						



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General skills	could not judge (0)	strongly disagree (1)	(2 ) (3)		(4 ) (5)		(6)	strongly agree (7)
Facilitate learning of students, lab technical staff and other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients, their families, lab technical staff and other health professionals.								
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 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.								



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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 academic and health care delivery settings and systems including good administrative and time management.								
Adopt cost-effective practice and resource allocation that does not compromise quality of services.								
Assist patients in dealing with system complexities.								



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# Other Activities



1- Academic activities  
Lecture, journal club, seminar, conference, workshop

[illegible]



**\*\* Your role:-**  
A- Attendance  
B- Organization  
C- Presentation



## 2- Academic achievements

[illegible]



## Master degree in Infection control



### **Program of Infection control master Degree**

#### **3- Formative assessment**

[illegible]



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# Elective Course

## Requirements

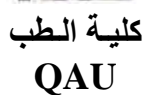
● **Credit points:** 2 credit point.

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



## Elective Course Lectures

[illegible]



## Elective Course    Practical skills

[illegible]



## Lecture, journal club, conference, workshop

**\*\* Your role:-**  
A- Attendance  
B- Organization  
C- Presentation



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### Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

\*Degree

A- Excellent

B- Very good

C- Good

D- Pass



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## الرسائل العلمية

### عنوان الرسالة

عربي : .....

انجليزي : .....

المشرفون : .....

١- .....

٢- .....

٣- .....

٤- .....

تاريخ القيد لدرجة : ..... / /

تاريخ التسجيل الموضوع : .....

المتابعة الدورية : .....

التاريخ	ما تم انجازه من برتول البحث	المتبقي	توقيع المشرفين



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## Declaration

Specialized Course Structure Mirror	Responsible (Module) Coordinator Name:	Signature	Date
First part: Course 1 Basic and Clinical Medical Microbiology			
First part: Course 2 Immunology			
First part: Course 3 Epidemiologic Methods for Infection Control			
First part: Course 4 Applied Biostatistics			
Second part: Course 5 Infection Control 1 (Basic principles and general guidelines for infection prevention and control)			
Second part: Course 6 Infection Control 2 (Advanced infection , prevention and control)			
- Elective Course (s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Medical Microbiology & Immunology MS.c. degree principle Coordinator			
Date approved by Medical Microbiology & Immunology department council			

يعتمد ،  
رئيس القسم  
ا.د. / نها عبد الحليم عفيفي