Medical Doctorate (M.D.) Degree of Pharmacology Log Book

" كراســـــة الأنشـــــطة "
اللازمة لحصول المتدرب على درجة الدكتوراه في علم الفارماكولوجيا

2023-2022

Contents

Personal Data :-

Name……

Date of birth……..
Address……..
Place of work……
Telephones………**Mobile phone(s)**…….
E mail……

Name of Department	Period of work	Department director signature

Academic Information

MBBCh……/……/…… ……..University
Grade ……MSc… ……..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 practical, academic and other experiences and skills you attained during your training

Sections of the book

For each Pharmacology course

-You will find empty tables to write down the activity, your level of participation.
- date and signature of supervisor. You should fill the following sections:-

1- Practical processing log

You should record all cases in the course and each case should be signed by your trainer. Record the cases related to the course that you have presented in a seminar or other activity

2- Experimental Log

- Record the minimum number of techniques
-You will find a list for required procedure, and level of desired performance you should achieve at the end of training.

3- Rotation / attendance proof

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

For the whole program fill the following sections

1- Academic activities

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- Formative assessment log

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

- Mini practical examination
- Quieses

5- Program Structure

Program Time Table

Duration of program up to 4 years (could be extended to 6 years) divided into vl

- Part 1

Program-related basic science courses
- Medical statistics & Research methodology
-: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
Students are allowed to sit the exams of these courses after 6 months from applying to the MD degree.
-Pharmacology: Students are allowed to sit the exam of this course after 12 months from applying to the M D degree.

- Thesis and 2 published specialized national or local researches or one published international research.
  For the M D thesis;
  MD thesis subject should be officially registered within 12 months from application to the MD degree,
  Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject;
  It could be discussed and accepted either before or after passing the second part of examination
- Part 2

Program –related speciality courses and ILOs
Students are not allowed to sit the exams of these courses before 4 years from applying to the MD degree.

First Part

course 1

Medical statistics

Requirements

- **Credit points: 1 credit point**

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Pubic Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature

Medical Statistics

Lectures and tutorial

Date	Attendance	Topic	Signature

Remarks:

Signature

Course 2
Research Methodology

Requirements

- **Credit points: 1 credit point**

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research methodology	1 credit point	Pubic Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			Principle coordinator signature	Head of the department signature

Research Methodology

Lectures and tutorials

Date	Attendance	Topic	Signature

course 3

Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Requirements

- **Credit points: 1 credit point**
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.5		5 hours Ethics in research	50%
	0.5		5 hours Medical ethics in practice.	50%
Student signature			Principle coordinator signature	Head of the department signature

Medicolegal Aspects Lectures

Date	Attendance	Topic	Signature

course 4

Instrumental analysis

Requirements

- **Credit points: 3 credit point**

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Instrumental analysis	3	الكيمياء التحليلية Faculty of pharmacy		
	2		20 hours SPECTROSCOPY • Spectrophotometry (UV-Visible) • Infrared Spectroscopy • NMR Spectroscopy • Mass Spectroscopy	66.6%
	1		10 hours CHROMATOGRAPHY	33.3%
Student signature			Principle coordinator signature	Head of the department signature

Attendance of Istrumental analysis Lectures

Date	Attendance	Topic	Signature

Course 5

Moleculer Biology

Requirements

- **Credit points: 2 credit point**

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Molecular Biology	2	Biochemistry		
	0.5		5 hours • Replication • Transcription • Translation	25%
	o.5		5 hours • Regulation of gene expression	25%
	0.5		5 hours • DNA mutation and repair	25%
	0.5		5 hours • Restriction fragment length polymorphisms (RFLPs).	25%
Student signature			Principle coordinator signature	Head of the department signature

Attendance of Molecular Biology Lectures

Date	Attendance	Topic	Signature

course 6
Biotechnology

Requirements

- **Credit points: 2 credit point**

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Biotechnology	2	Microbiology		
	0.5		5 hours - The cytokines: The interferon family	25%
	o.5		5 hours - Cytokines: Interleukins and tumour necrosis factor	25%
	0.5		5 hours - Growth factors - Therapeutic hormones	25%
	0.5		5 hours - Antibodies, vaccines and adjuvant - Nucleic-acid- and cell-based Therapeutics	25%
Student signature			Principle coordinator signature	Head of the department signature

Attendance of Biotechnology Lectures

Date	Attendance	Topic	Signature

Speciality course

(Pharmacology) Course 7

Requirements

- **Credit points:** 24 credit point for didactic (lectures, seminars, tutorial) and 83 point for training.

- Minimal rate of attendance 80% of training and didactic

Unit			
	Didactic Year or level	Training Year or level	Percentage of total marks
Unit 1: General Pharmacology	2,3	1,2	40%
Unit 2 : Advanced Pharmacology	3,4	3,4	40%
Unit 3: Experimental Pharmacology	4	3,4	20%

Unit	Level (Year)	Credit points		
		Didactic	Training	Total
Unit 1: General Pharmacology	1,2	12	43	55
Unit 2 : Advanced Pharmacology	3	6	20	46
Unit 3: Experimental Pharmacology	4	6	20	9
Total		24	83	107

Unit (Module) 1

General (basic)Pharmacology

Requirements

- **Credit points:** 12 credit point for didactic (lectures, seminars, tutorial) and 43 point for training.

- Minimal rate of attendance 80% of training and didactic

Unit 1

(12 credit point for didactic

In year 1,2

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 General pharmacology	12	Pharmacology	Year 2	
	Points		Topics and attendance	
	1		10 hours Pharmacokinetics	8.3%
	1		10 hours Pharmacodynamics	8.3%
	1		10 hours Autonomic nervous system	8.3%
	2		20 hours Cardiovascular system	16.7%
	1		10 hours Central nervous system	8.3%
	2		20 hours Gastrointestinal system	16.7%
	1.5		15 hours Respiratory System	12.5%
	1		10 hours Urinary system	8.3%
	1		10hours Blood diseases	8.3%
	0.5		Formative assessment	4.2%
Student signature			Principle coordinator Signature	Head of the department signature
			*	

Attendance of Lectures

Date	Attendance	Topic	Signature

Date	Attendance	Topic	Signature

Year 1: 20 credit points for training

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at pharmacology Lab	2	Pharmacology Department	Attendance of practical sessions with the staff **for 2hours/week for 30 weeks**	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Screening of adrenergic agonists/antagonists	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Screening of cholinergic agonists	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Screening of neuromuscular blockers	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Screening of analgesics, anti-inflammatory, and anticonvulsants.	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Preliminary tests for CNS depressants and stimulants	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Screening of cardiotonic activity and antiarrhythmic activity .	10%
	2		Attendance of academic lectures of undergraduate students	10%

			2 hours/ week for 30 weeks	
	2		Attendance of **Student** lab for adjustment of laboratory experiments in the time of pre-lab teaching 4 hours/ week for 30 weeks	10%
	2		Formative assessment	10%
Student signature			Principle coordinator Signature	Head of the department Signature

Experiments for screening log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

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

Experiments for screening log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

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

Screening of drugs acting on the CVS log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

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

Screening of drugs acting on the CVS log

NO.	Level of participation *	Location	Signature of supervisor

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

log of Evaluation of Experiments for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member

log of Student teaching

Date	Title of Tutorial	Signature of Staff member

log of Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Year 2 (23 credit point for training)

Laboratory training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at pharmacology Lab	2	Pharmacology Department	Attendance of practical sessions with the staff **for 2hours/week for 30 weeks**	8.7%
	3		Attendance of pharmacology lab for 5 days/week for 18 weeks To perform Determination of site of action of different stimulant drugs on intestinal movement	13.2%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Determination of site of action of blocking drugs on intestinal movement	8.7%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Identification of an unknown drug on intestine	8.7%
	4		Attendance of pharmacology lab for 6 days/week for 20 weeks To perform Identification of the site of action of an autonomic antihypertensive drug on heart and blood vessels.	17.3%
	4		Attendance of pharmacology lab for 6 days/week for 20 weeks To perform Identification of an unknown drug (Total scheme) using different drug	17.3%

			examples	
	2		Attendance of academic lectures of undergraduate students **2 hours/ week for 30 weeks**	8.7%
	2		Attendance of **Student** lab for adjustment of laboratory experiments in the time of pre-lab teaching 4 hours/ week for 30 weeks	8.7%
	2		Formative assessment	8.7%
Student signature			Principle coordinator Signature	Head of the department Signature

Experiments for Induction of CVS diseases log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

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

Experiments for Induction of CNS diseases log

NO.	Level of participation *	Location	Signature of supervisor

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

Screening of drugs acting on ANS log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

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

Screening of Anti inflammatory drugs log

NO.	Level of participation *	Location	Signature of supervisor

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

Evaluation of laboratory experiments for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member

log of Student teaching

Date	Title of Tutorial	Signature of Staff member

Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Evaluation of laboratory experiments for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member

Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Unit 2

Advanced pharmacology

(6 credit point for didactic in year 3)

20 credit points in training in year 3

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced Pharmacology	6	Pharmacology	Year 3	
			Topics and attendance	
	2		20 hours Chemotherapy	33.3%
	2		20 hours Hormones	33.3%
	1		10 hours Immunopharmacology	16.7%
	0.5		Seminar presentation	8.3%
	0.5		Formative Assessment	8.3%
Student signature			Principle coordinator Signature	Head of the department--signature

Year 3: 20 credit points for training

Minimal rate of attendance 80%

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training in the pharmacology Lab	2	Pharmacology department	Attendance of pharmacology lab for 6 days/week for 20 weeks To perform Induction of hypertension	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Induction of arrhythmias	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks Induction of heart failure, Finkelman ,tetrad system	10%
	4		Attendance of pharmacology lab for 6 days/week for 20 weeks To perform Induction of inflammation	20%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Induction of epilepsy	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Induction of peptic ulcer .	10%
	2		Attendance of pharmacology lab for 4 days/week for 15 weeks To perform Induction of diabetes	10%
	2		Attendance of **Student** lab for adjustment of laboratory experiments in the time of pre-lab teaching	10%

			4 hours/ week for 30 weeks	
	2		Formative assessment	10%
Student signature			Principle coordinator Signature	Head of the department Signature

Experiments for Induction of diseases log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

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

Experiments for Induction of diseases log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

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

Experiments for Induction of diseases log

NO.	Level of participation *	Location	Signature of supervisor

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

Evaluation of laboratory experiments for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member

log of Student teaching

Date	Title of Tutorial	Signature of Staff member

Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Evaluation of laboratory experiments for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member

log of Student teaching

Date	Title of Tutorial	Signature of Staff member

Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Attendance of Academic (undergraduate) lectures

Date	Title of Tutorial	Signature of Staff member

Evaluation of laboratory experiments for student teaching

Date	Name of the evaluated system	Name of the lab	Signature of Staff member

log of Student teaching

Date	Title of Tutorial	Signature of Staff member

Attendance of practical lectures

Date	Title of Tutorial	Signature of Staff member

Unit 3

Expiremental Pharmacology

6 credit points for didactic

20credit points for training

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced Pharmacology	6	Pharmacology	Year 3	
			Topics and attendance	
	2		20 hours Designing research proposals	33.3%
	1		10 hours Immunohistochemistry	16.7%
	1		10 hours Pharmacogenomics	16.7%
	0.5		5 hours Immunblotting	8.3%
	0.5		5 hours ELISA	8.3%
	0.5		5 hours TDM	8.3%
	0.5		Formative Assessement	8.3%

Student signature			Principle coordinator Signature	Head of the department--signature

Attendance of Unit 3 lectures

Date	Title of lectures	Signature of Staff member

Year 4: 20 credit points for training

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at Pharmacology department	3	Pharmacology	Attendance of pharmacology lab for 2 days/week for 9 weeks To perform TDM	15%
	3		Attendance of pharmacology lab for 2 days/week for 9 weeks To perform Western blot	15%
	3		Attendance of pharmacology lab for 2 days/week for 9 weeks to perform PCR	15%
	3		Attendance of pharmacology lab for 2 days/week for 9 weeks To perform	15%
	3		Attendance of pharmacology lab for 2 days/week for 9 weeks To perform ELISA	15%
	3		Attendance of pharmacology lab for 2 days/week for 9 weeks To perform Immunohistochemistry	15%
	2		Formative assessment	10%
Student signature			Principle coordinator Signature	Head of the department Signature

TDM Training Log

NO.	Level of participation *	Location	Signature of supervisor

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

Western blot technique log

NO.	Diagnosis of Stain	Level of participation *	Location	Signature of supervisor

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

PCR-Training log

NO.	Level of participation *	Location	Signature of supervisor

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

ELISA Training log

NO.	Level of participation *	Location	Signature of supervisor

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

Immunohistochemistry Training log

NO.	Level of participation *	Location	Signature of supervisor

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

Experimental Log

NO.	Processing of specimens	Level of participation *	Location	Signature of supervisor

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

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)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on constant self-evaluation and life-long learning.								
Participate in clinical audit and research projects.								

General skills	could not judge (0)	strongly disagree(1)	(2)	(3)	(4)	(5)	(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on-line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:- • Present a case. • Write a consultation note. • Inform patients of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible medical records. • Teamwork skills.								

General skills	could not judge (0)	strongly disagree(1)	(2)	(3)	(4)	(5)	(6)	strongly agree (7)
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader 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, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								

General skills	could not judge (0)	strongly disagree(1)	(2)	(3)	(4)	(5)	(6)	strongly agree (7)
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								

Elective Course 1

Requirements

- **Credit points:** 2 credit point.
  - Minimal rate of attendance 80% of lectures and 80% of training

Name of the elective course: ----------

Elective Course Lectures

Date	Attendance	Topic	Signature

Elective Course Practical skills

Date	Attendance	Topic	Signature

Elective Course 2

Requirements

- **Credit points:** 2 credit point.
  - Minimal rate of attendance 80% of lectures and 80% of training

Name of the elective course: ----------

Elective Course Lectures

Date	Attendance	Topic	Signature

Elective Course Practical skills

Date	Attendance	Topic	Signature

Academic activities

Lecture, journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

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

Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

*Degree

A- Excellent

B- Very good

C- Good

D- Pass

Seminars

Date	Staff group*	Subject	Signature

*Staff group

A- Group A

B- Group B

C- Group C

Academic activities
Journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

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

Formative assessment

Exam	Score	*Degree	Date	Signature

*Degree

A- Excellent
B- Very good
C- Good
D- Pass

الرسائل العلمية

عنوان الرسالة

عربـــــــــــــــــــي :

انجلـــــــــــــــــــيزي :

المشرفـــــــــــــــون :

1- .....
2- .....
3 .....
4- .....

تاريخ القيـد لدرجـة : ..... / /

تاريخ التسجيل الموضوع: .....

المتابعة الدوريـــــــــة : .....

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
-Course 1			
-Course 2			
-Course 3			
Course 4			
Course 5			
Course 6			
Second Part: Course 7 Pharmacology			
- Elective Course (s) Certificate (s) Dates:			
- M. D. Thesis Acceptance Date:			
- Fulfillment of required contact Credit points prior to final examination			
----------M.D. Degree Principle Coordinator:			
Date approved by ----------Department Council:			

يعتمد ،
رئيس القسم
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