

Program Specification for MD Degree in Family Medicine

A. Basic Information

1. Program title: MD Degree in: Family Medicine Department
2. Program type: Single
3. Faculty: Faculty of Medicine
4. Department: Family Medicine Department.
5. Coordinator: Dr. Ahmed Fathy
6. Ass. Coordinator : Ahmed Naser
7. External evaluator: Prof: Taghreed Mohammad Farahat Professor of family medicine –Menoufia University
8. Last date of program specifications approval: Faculty council No. "317", decree No. "1533" dated 17/12/2018.

B- Professional Information

1. Program Aims:

The aim of this program is to develop competent family physicians capable of providing high quality patient-centered comprehensive medical care, covering the biopsychosocial aspect of their patients based on the best available medical evidence. Our trainees will learn to lead teams. They will lead community focused research and will be committed to life-long learning. They will also learn to teach appropriate ethical and professional standards in their day to day practice and in their relationships with their patients and students.

2. Program Intended Learning Outcomes (ILOs)

A. Knowledge and Understanding: By the end of the program the candidate should be able to:

- 1) Define health, health spectrum and factors affecting health.
- 2) Identify the role of the family physician in providing comprehensive health care.
- 3) Identify health needs and problems according to the human life cycle.
- 4) Identify the etiology, clinical manifestations, differential diagnosis, prevention and management of the common, important and emergency medical conditions affecting all age groups in the Egyptian population according to the best available evidence
- 5) Define epidemiological needs of the community



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2. Program Intended Learning Outcomes (ILOs)

A. Knowledge and Understanding: By the end of the program the candidate should be able to:

- 1) Define health, health spectrum and factors affecting health.
- 2) Identify the role of the family physician in providing comprehensive health care.
- 3) Identify health needs and problems according to the human life cycle.
- 4) Identify the etiology, clinical manifestations, differential diagnosis, prevention and management of the common, important and emergency medical conditions affecting all age groups in the Egyptian population according to the best available evidence.
- 5) Define epidemiological needs of the community

- 6) Identify the basics and advances of clinical epidemiology.
- 7) Identify how the health care delivery system in Egypt operates as well as the medico legal legislations in Egypt.
- 8) Identify the uses, effects, side effects and drug interactions of common drugs in adults, pediatrics, geriatrics, and patients with liver or kidney diseases, pregnant and lactating females (essential drug list).
- 9) Identify the principles and advances of medical ethics that guide the doctor-patient and the doctor- doctor relationships at the different levels of health care services.
- 10) List the basis and advances of research, critical appraisal of researches and evidence based medicine.
- 11) Identify the etiology, clinical manifestations, differential diagnosis and management of the common drug and substance abuse problems as well as the management of their withdrawal symptoms.

B. Intellectual Skills: By the end of the program the candidate should be able to:

- 1) Integrate the information gathered from medical records, history, clinical examination and investigations to reach a proper diagnosis or a differential diagnosis.
- 2) Appraise research articles critically.
- 3) Interpret statistical results efficiently and apply the results in performance improvement.
- 4) Manage resources effectively (including time).
- 5) Conduct community needs assessments.

C. Professional and Practical Skills: By the end of the program the candidate should be able to:

- 1) Apply proper consultation through; medical records, history taking, clinical examination and selection of the proper investigations according to the human life cycle to develop an appropriate patient centered management plan.
- 2) Lead appropriate counseling in health and disease.
- 3) Manage acute emergency cases initially, perform fundamental life support measures.

- 4) Perform routine and advanced procedures needed in family practice.
- 5) Use drugs appropriately in a cost effective manner.
- 6) Demonstrate the ability to communicate in multiple modalities with patients, their families, students, other health care providers and administrators.
- 7) Use the different models for behavioral modification and change for life style modification.
- 8) Initiate, utilize and audit medical records to insure appropriateness of continuity of care.
- 9) Implement evidence based medicine and guidelines in the everyday practice.
- 10) Teach a coordinated referral system.

D. General and Transferable Skills: By the end of the program the candidate should be able to:

- 1) Apply comprehensive care through a biopsychosocial approach.
- 2) Recognize self limitations with regards to practice and provide consultation to other health care providers to insure optimal care for his clients.
- 3) Apply safe medical practice through early recognition, reporting and correction of medical errors.
- 4) Show appropriate application of client's right with his clients including empathy, respect for their dignity, their privacy and their rights and equity of care among them.
- 5) Demonstrate the capacity to communicate effectively and maintain honesty and integrity in all interactions with his clients, their families, his colleagues and his students.
- 6) Work effectively in a team as a leader who can educate, motivate, supervise and lead other health workers in health promotion, disease prevention and management of diseases.
- 7) Lead continuous professional development.

3. Academic standards

Sohag faculty of medicine adopted the general National Academic Reference Standards (NARS) provided by the national authority for quality assurance and accreditation of education (naqaae) for postgraduate programs. This was approved by the Faculty Council decree N0.6854, in its session N0.177 Dated: 18/5/2009. Based on these NARS; Academic Reference Standards (ARS) were suggested for this program.

These ARS were approved by Faculty Council decree N0.7528, in its session N0.191, dated: 15/3/2010.

4. Program Structure and Contents

V. Program Structure and Contents

Program duration: Three years.

Program structure: as shown in the table

Subject	No. of hours		
	Lectures	Practical	Credit hours
1) First Part:			
Minors :			
Bio Statistics & Computer	30	30	3
Research Methodology	30	30	3
Primary medical reports	15	30	2
Basic sciences:			
Pathology	15	---	1
Molecular Biology	15	---	1
Immunology	15	---	1
Clinical pharmacology	15	---	1
First Part total hours	130	90	12
2) Second part			
Family Medicine	40	90	6
Internal medicine	45	90	6
Pediatrics	30	60	4
Gynecology and obstetrics	30	60	4
Psychiatry	30	60	2

Community medicine, Occupational health , forensic medicine and toxicology	75	30	6
Field and Seminars and discussion sessions and clinical diagnostic methods in out patients clinics (applied in the log book)	---	120	4
Second part total hours	255	600	44

Demonstrator Training Program

- **Phase 1 Training:**

All the candidates should have clinical training for 18 months. In this training phase the residents will rotate in the internal medicine, the pediatrics, the emergency and the family medicine departments. During this period the students will attend the compulsory first part courses and they will also complete the elective courses.

- **Phase 2 Training:**

All candidates should have clinical training for 18 months. In this training phase the residents will rotate in the Gynecology & Obstetrics department, the surgery clinic, the dermatology clinic, the psychiatry clinics, the ENT clinic, the ophthalmology clinic, the family medicine department and the emergency departments. During this period the students will attend the compulsory courses of the second part and will participate in the scientific activities of the department.

MD Thesis:

All MD degree students should prepare a thesis in family medicine. The research and ethical committee of the department must approve the protocol of the research. The thesis may include a review part and a research part. The thesis is supervised by one or more senior staff members and may include other specialties according to the nature of the research. The thesis should be evaluated and approved by a committee of three professors including one of the supervisors and an external professor.

5. Program Course

5.1- Level/Year of Program:

Semester...1.....

First part:

a. Compulsory

A. compulsory:

Course title	Total No. of credit hours	No. of hours/week			Program ILOS covered
		Lect	Lab.	Exerc.	
Research Methodology	3 h	2	2		a12,a13,a44,a46,b2,b3,b4,b7,b8,b10,c1,c6,d5,d6
Bio Statistics & Computer	3 h	2	2		a41,a42, a45,b1,c5,d2,d5
Primary Medical Report	2 h	1	2		a46,.a47,b2,b4,c2,d1

Second part

a. Compulsory

6. Program Admission Requirements

I.General Requirements:

1. Candidate should have either:

- i. MBBch degree from any Egyptian Faculty of Medicine or
- ii. Equivalent Degree from Medical Schools abroad approved by the ministry of high Education.

2. Candidate should pass the house office training year.

3. Those who are not university hospital residents should pass training for at least 12 months in one of the known hospitals.

4. Follow postgraduate bylaw Regulatory rules of Sohag Faculty of Medicine approved by the ministerial decree no. (44), dated 6/1/2010.

II. Specific Requirements:

- Candidates graduated from Egyptian Universities should have at least “Good Rank” in their final year/ cumulative year's examination, grade “Good Rank” in Public Health and Community Medicine course too.
- Candidates should know how to speak and write English well.
- Candidates should have computer skills.

7. Regulations for progression and program completion

Duration of program is 47 credit hours (≥ 4 semesters ≥ 3 years), starting from registration till 2nd part exam; divided to:

First Part: (12 Credit hours ≥ 6 months' ≥ 1 semester):

- At least six months after registration should pass before the student can ask for examination in the 1st part.
- Two sets of exams: 1st in October — 2nd in April.
- At least 50% of the written exam is needed to pass in each course.
- For the student to pass the first part exam, a score of at least 60% (Level D) in each course is needed.
- Those who fail in one course need to re-exam it only for the next time only, and if re-fail, should register for the course from the start.

Second Part: (27 Credit hours ≥ 18 months= 3 semesters):

- Completion of the 1st part credit hours and passing the exams are pre requisites for documentation of the 2nd part courses.
- After passing at least:
 - Practical training: 12 months residency in the department of Family Medicine.
- The students should pass the 1st part before asking for examination in the 2nd part.
- Fulfillment of the requirements in each course as described in the template and registered in the log book is a prerequisite for candidates to be assessed and undertake part 1 and part 2 examinations; as following:

Activity		Hrs
Grand rounds	اجتماع علمي موسع	٦
Training courses	دورات تدريبية	12/ day
Conference attendance	حضور مؤتمرات علمية	
	داخلي	/day ١٢
	خارجة	18/day
Thesis discussion	حضور مناقشات رسائل	٦
Workshops	حضور ورش عمل	/day ١٢
Journal club	ندوة الدوريات الحديثة	٦
Seminars	لقاء علمي موسع	٦
Morbidity and Mortality conference	ندوة تحليل المخاطر المرضية أو الوفاة	٦
Self education program	برنامج التعليم الذاتي	٦

- Two sets of exams: 1st in October - 2nd in April.
- At least 50% of the written exam is needed to pass in each course.
- For the student to pass the 2nd part exam, a score of at least 60% (Level D) in each course is needed.

Thesis/Essay (6 Credit hours \geq 6 months=1 semester):

- Completion of the 1st part credit hours and passing the exams are pre requisites for documentation of the **Thesis/Essay** subject.
- Should be completed, defended and accepted after passing the 1st part examination, and at least one month before allowing to enter 2nd part final examination.
- Accepting the thesis is enough to pass this part.

8. VIII. Methods of student assessments:

Method of assessment	weight	The assessed ILOs
1-Activities		- General transferable skills, intellectual skills
2-Written Exams: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	50%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills
3-OSCE/ OSPE	50%	-Practical skills, intellectual skills, general transferable skills
4-Structured Oral Exams		- Knowledge, Intellectual skills, General transferable skills

Assessment schedule:

First Part Final Exam:

- psychology and behavioral science: Written Exam (3 hours) + structured oral Exam
- Immunology, genetics and clinical pharmacology and pharmacoeconomics: Written Exam (3 hours) + structured oral Exam
- Medical investigations: Written Exam (3 hours) + structured oral Exam + clinical exam

Second Part Final Exam:

- Family medicine: Written Exam (3 hours) + structured oral Exam + clinical exam
- Forensic medicine and toxicology and occupational health: Written Exam (3 hours) + structured oral Exam + clinical exam
- Psychiatry: Written Exams (3 hours) + structured oral Exam + clinical exam
- Internal medicine and its branches: Written Exam (3 hours) + structured oral Exam + clinical exam
- Pediatrics:** Written Exam (3 hours) + structured oral Exam + clinical exam
- General surgery and traumatology: Written Exam (3 hours) + structured oral Exam + clinical exam
- Gynecology and obstetrics: Written Exam (3 hours) + structured oral Exam + clinical exam
- Family medicine and diagnostic investigations: 2 Written Exam (3 hours) + structured oral Exam + clinical exam

9. Evaluation:

Evaluator	Tool	Sample
1- Senior students	Questionnaire	1
3- Stakeholders (Employers)	Questionnaire	25
4-External Evaluator(s) (External Examiner(s))	Report	1
5- Other		

Course Specifications of Biostatistics and computer in MD degree in Family medicine

Sohag university

Faculty of Medicine

1. Program on which the course is given: MD degree in Family medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: public health and community medicine
4. Department offering the course: Family medicine
5. Academic year / Level; 1st part
6. Date of specification approval: Faculty council No: "317", decree No. "1533" dated 17/12/2018

A. Basic Information

Title: Course Specifications of Biostatistics and computer in MD degree in Family medicine.

Code: 0513-300

Total hours

Title	lecture	practical	total	Credit hours
Biostatistics and computer	30	30	60	3

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Family Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification.
3. Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) **Knowledge and understanding:**

By the end of the course, the student is expected to be able to:

- a1. Enumerate different programs of analysis of data and statistical packages
- a2. Define the recent advances of sources of data and methods of collection.
- a3. Summarize data, construct tables and graphs
- a4. Calculate measures of central tendency and measures of dispersion
- a5. Describe the normal curves and its uses
- a6. Illustrate selected tests of significance and the inferences obtained from such tests

a7. Illustrate selected tests of significance for parametric and non parametric inferences

a8. Identify factor analysis and discrimination analysis

b) Intellectual Skills

By the end of the course, the student is expected to be allowed to:

b1. understand how to collect and verify data from different sources

b2. Interpret data to diagnose prevalent health problems in the community, using various epidemiological strategies and use it for titration and conclusion

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:

c1. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent community problems and training junior staff

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

d1. Use appropriate computer program packages.

d2. Use of different sources for information and knowledge about biostatistics.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Recent advances in collection, analysis and interpretation of data	6	3	3
-Details of Tests of significance: Proportion test	6	3	3
Chi-square test	6	3	3
Student T test	6	3	3
Paired T test	6	3	3
-Correlation	6	3	3
-Regression	6	3	3
-ANOVA test	6	3	3
-Discrimination analysis	6	3	3
Factor analysis	3	1.5	1.5
- parametric and non parametric tests	3	1.5	1.5
Total	60	30	30
Credit Hours	3	2	1

4. Teaching and Learning Methods

4.1- Lectures

4.2- Practical sessions

4.3- Computer search assignments

4.4- Computer application

5. **Student Assessment Methods**

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
5.4 OSPE	-Practical skills intellectual skills
5.5Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1.....	Final written exam	Week: 24
Assessment 2.....	Final Structured Oral Exam	Week: 24
Assessment 3	OSPE	Week: 24
Assessment 4	Attendance and absenteeism throughout the course	
Assessment 5	Computer search assignment performance throughout the course	

Weighting of Assessments

Final-term written examination	50	%
Final Structured Oral Exam, OSPE	50	%
Total	100	%

Formative only assessments: attendance and absenteeism and Computer search assignments performance.

6. **List of References**

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.

6.3- Recommended Books

1- Dimensions of Community Health, Boston Burr Ridge Dubuque.

- 2- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.
- 3- Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.
- 6.4- Periodicals, Web Sites, ... etc
- 1-American Journal of Epidemiology
- 2-British Journal of Epidemiology and Community Health
- 3- WWW. CDC and WHO sites

7. Facilities Required for Teaching and Learning:

- 1- ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
- 2- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printers.

Course Coordinator: Dr/Ahmed Fathy Hamed

Head of Department: Dr/Eman Abd El-Baset Mohammed

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

Course Specifications of Research Methodology in MD degree in public health and community medicine

Sohag university

Faculty of Medicine

1. Program (s) on which the course is given: MD degree in public health and community medicine
2. Minor element of program
3. Department offering the program: public health and community medicine
4. Department offering the course: Family medicine
5. Academic year / Level; 1st part
6. Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018

A. Basic Information

Title: Course Specifications of Research Methodology in MD degree in Family medicine

Code: COM 0508-300

Total hours

Title	lecture	practical	total	Credit hours
Research Methodology	30	30	60	3

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Skills necessary for preparing for proper diagnosis and management of community problems, skills for conducting and supervising researches on basic scientific methodology.
3. Ethical principles related to the practice in this specialty.
4. Active participation in community needs assessment and problems identification.
5. Maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

2. Intended Learning Outcomes of Courses (ILOs)

a) **Knowledge and understanding:**

By the end of the course, the student is expected to be able to:

- a1. Define the recent advances of screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- a2. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values.
- a3. Describe the study design, uses, and limitations.
- a4. Enumerate the recent advances of principles, methodologies, tools and ethics of scientific research.
- a5. Explain the strategies and design of researches.
- a6. Describe bias and confounding.
- a7. Describe sampling techniques and list advantages of sampling
- a8. Identify principles of evidence based medicine.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- b1. Conduct research studies that adds to knowledge.
- b2. Formulate scientific papers in the area of public health and community medicine
- b3. Innovate and create researches to find solutions to prevalent community health problems
- b4. Criticize researches related to public health and community medicine

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- c1. Master the basic and modern professional skills in conducting researches in the area of public health and community medicine.
- c2. Design new methods, tools and ways of conducting researches. .

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- d1. Use of different sources for information and knowledge to serve research.
- d2. Work coherently and successfully as a part of a team and team's leadership in conducting researches and field studies.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Details of epidemiological studies (case control, cohort and cross sectional)	8	4	4
Clinical trials, Quasi experimental study	8	4	4
Bias and errors	8	4	4
Setting a hypothesis	8	4	4
Recent advances in screening	8	4	4
Evidence – based Medicine: Concept and examples Applicability Scientific writing:	8	4	4

A protocol			
A curriculum			
Setting an objective - Critical thinking	8	4	4
Formulation of papers	4	2	2
Total	60	30	30
Credit hours	3	1	2

4. Teaching and Learning Methods

4.1- Lectures.

4.2- Computer search assignments

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
5.4 OSPE	-Practical skills intellectual skills
5.5Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1.....	Final written exam	Week: 24
Assessment 2.....	Final Structured Oral Exam	Week: 24
Assessment 3	OSPE	Week: 24
Assessment 4	Attendance and absenteeism throughout the course	
Assessment 5	Computer search assignment performance throughout the course	

Weighting of Assessments

Final-term written examination	50	%
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Final Structured Oral Exam, OSPE	50	%
Total	100	%

Any formative only assessments Attendance and absenteeism throughout the course

Computer search assignment performance throughout the course

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1-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.

2- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.

Course Coordinator: Dr/Ahmed Fathy Hamed

Head of Department: Dr/Eman Abd El-Baset Mohammed

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

Course Specifications of Primary Medical Reports for MD degree in Family medicine

Sohag university

Faculty of Medicine

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: public health and community medicine
4. Department offering the course: Forensic medicine and clinical toxicology
5. Academic year / Level; 1st part
6. Date of specification approval: Faculty council No: "317", decree No. "1533" dated 17/12/2018

A. Basic Information

Title: Course Specifications of primary medical reports for MD degree in Family medicine

Code: FOR 0508-300

Total hours

Title	lecture	practical	Total	Credit hours
Primary medical reports	15	30	45	2

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification
3. Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- a1. Identify ethical considerations of medical research involving human subjects
- a2. Mention the principles and fundamentals of ethics and legal aspects of professional practice in the field of public health and community medicine.
- a3. Mention obligation of physicians towards patients, colleagues, community.
- a4. Identify Types of malpractice, and items of responsibility in the field of public health and community medicine.

a5. Mention medicolegal aspects of important matters related affecting public health such as organ transplantation, intersex states, euthanasia, assisted reproduction techniques

b) Intellectual Skills:

By the end of the course, the student is expected to be able to:

b1. Formulate reports in the area of public health and community medicine including death certificate and toxicological reports.

b2. Select the appropriate diagnostic tools for diagnosis of poisoning and select the suitable method of management

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:

c1. Write and evaluate of medical reports including death certificate and toxicological reports

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

d1. present reports in seminars effectively after formulation and evaluation.

3. Contents

Topic	No. of hours	Lecture	practical
Definition of poison, classification of poison and factors that influence toxicity	5	2	3
Diagnosis & Management of poisoning including: respiratory support, circulatory support and neurological support	6	2	4
toxicological sampling and permanent infirmity	6	2	4
How to write a toxicological report & How to write death certificate	5	2	3
Obligation of physicians (towards patients, colleagues, community)	5	2	3
Consent, and professional secrecy	5	2	3
Types of malpractice, and items of medical responsibility	4	1	3
Medico legal aspects of organ transplantation, intersex states, euthanasia, assisted reproduction techniques	4	1	3
Ethical considerations of medical research involving human subjects	5	1	4
Total	45	15	30
Credit hours	2	1	1

4. Teaching and Learning Methods

4.1- Lectures

4.2- Practical sessions

4.3- Assignment

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
5.4 OSPE	-Practical skills intellectual skills
5.5Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1.....Final written exam	Week: 24
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Assessment 5 Computer search assignment performance throughout the course	

Weighting of Assessments

Final-term written examination	50	%
Final Structured Oral Exam, OSPE	50	%
Total	100	%

formative only assessments: attendance and absenteeism, Computer search assignment.

6. List of References

Essential books

Simpson's Forensic Medicine, 13th Edition, by Jason Payne-James, Richard Jones, Steven B Karch, John Manlove. published by Hodder & Stoughton Ltd (2011).

Goldfrank's Toxicologic Emergencies, (9th ed.) by Lewis S. Nelson, Robert S. Hoffman, Mary Ann Howland, Neal A Lewin, Lewis R. Goldfrank, Neal E. Flomenbaum. Published by McGraw-Hill (2011)

Emergency Toxicology, Peter Viccellio, (2nd ed.) Published by Lippincott Williams & Wilkins (1998)

Recommended books

Medical ethics. (1997) Robert M Veatch. 2nd edition. Jones & Bartlett publishers

Periodicals and websites.....etc.

Egyptian journals of forensic medicine and clinical toxicology

International journals of forensic medicine and clinical toxicology

www.sciencedirect.com

<https://emedicine.medscape.com>

<https://www.ncbi.nlm.nih.gov/pmc/>

7. Facilities Required for Teaching and Learning:

1. 1-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
2. TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printers.

Course Coordinator: Dr. Soheir Ali Mohamed

Head of Department: Dr. Maha Abdel Hamed Hilal

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

Course Specification of Pathology in MD Degree in Family medicine

Sohag University

Faculty of Medicine

1. Program on which the course is given: MD degree in Tropical Medicine and Gastroenterology
2. Major or minor element of program: Minor
3. Department offering the program: Tropical Medicine and Gastroenterology
4. Department offering the course: Pathology
5. Academic year / Level: first part
6. Date of specification approval: Faculty council No: "317", decree No. "1533" dated 17/12/2018

A. Basic Information

Title: Course Specification of pathology for MD degree in Family
medicine

Code: PAT 0508-300

Credit hours

Title	Lecture	Practical	Total	Credit
pathology	15	--	15	1

B. Professional Information

1. Overall Aims of Course

By the end of the course the post graduate students should be able to have the professional knowledge of the pathology of GI, hepatic and infectious diseases.

2. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and Understanding:

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

- a1. List the recent advances in the abnormal function of GI and hepatobiliary systems.
- a2. Enumerate recent advances in the common diagnostic pathologic techniques necessary to establish diagnosis of hepatic, infectious and GI diseases.

b) Intellectual Skills:

By the end of the course the student should have the ability to:

- b1. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for infectious, hepatic and GI problems.
- b2. Identify abnormal structure of the hepatobiliary and GI systems.

c) Professional and Practical Skills:

By the end of the course the student should have the ability to:

- c1. Evaluate and develop methods and tools for assessment of pathology of GI tract.

d) General and Transferable Skills

By the end of the course the student should have the ability to:

- d1. Use appropriate computer program packages.
- d2. Use different sources for information and knowledge in the field of pathology of infectious disease.

3. Course Contents:

Topic	No. of hours	Lecture	Practical
1- <u>General Pathology:</u>			
1.1. Inflammation.	2.5	2.5	
2- <u>Gastrointestinal tract:</u>			
2.1. Gastritis, peptic ulcers.	1	1	
2.2. Inflammatory bowel disease	1.5	1	
2.3. Amoebic dysentery and bacillary dysentery.	1.5	1	
2.4 Typhoid fever	1.5	1	
3- <u>Liver and biliary passages.</u>			
3.1. Hepatitis and liver cirrhosis.	2	2	
3.2. Portal hypertension and liver cell failure.	1	1	
3.3. Jaundice.	1	1	
4- <u>Diseases of blood, lymph nodes, and spleen:</u>			
4.1. Anaemias	2	2	
Total	15	15	
Credit	1	1	

4. Teaching and Learning Methods

4.1. Lectures.

4.2. Gross and histopathology (Jars & slides).

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20%	- Knowledge - Knowledge - Knowledge, intellectual skills

-Commentary, Problem solving: 15%	- Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills

ASSESSMENT SCHEDULE:

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

WEIGHTING OF ASSESSMENTS:

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Course Notes: Principles of General and Special Pathology;
Gamal Nada.

6.2- Essential Books (Text Books):

- Muir's text book of pathology.
- Robbins pathologic basis of diseases.

6.3- Recommended Books:

- Rosi & Ackerman text book of Pathology.
- Sternberg text book of Pathology.

6.4- Periodicals:

- American Journal of Pathology.
- Pathology.
- Human Pathology

Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>

7. Facilities Required for Teaching and Learning:

- a. Library & textbooks.
- b. Computer & data show.
- c. Internet connection.

Course Coordinator: Dr/ Fatma Elzahraa Salah El Deen

Head of Department: Dr / Eman Muhammad Salah El Deen

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013, Revised:1/12/2018.

Course Specification of Pharmacology in MD degree of Family Medicine

Sohag University

Faculty of Medicine

1. Program on which this course is given: MD degree in internal medicine.
2. Major or minor element of program: Minor.
3. Department offering the program: Internal Medicine Department.
4. Department offering the course: Pharmacology Department.
5. Academic year/level: 1st part.
6. Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018

A. Basic information:

Title: Course Specification of Pharmacology in MD Degree in Internal Medicine.

Code: PHA 0513-300

Total hours:

Title	Lectures	Practical	Total hours
Pharmacology	30	-	30

B. Professional Information

1. Aim of the Course:

To prepare a internal medicine physician oriented with the physiology of the cardiovascular system including that of haemorrhage & types of shock and proper management also that concerned with the regulation of body temperature and respiratory physiology. in addition , graduates should have enough knowledge about some endocrine glands . And it is very important to know the secretory and motility functions of G.I.T.

2. Intended Learning Outcomes (ILOs):

a) **Knowledge and Understanding:**

By the end of this course, students should have adequate knowledge about: indications, pharmaco-kinetics and side effects of commonly used drugs in the field of internal medicine.

b) **Intellectual Skills:**

By the end of the course, the student is expected to be able to:

b1. Formulate appropriate drug therapy for medical disorders (cardiac, hepatic, GIT, hematological, neurological,).

c) **Professional and Practical Skills:**

By the end of the course, the student is expected to be able to:

c1. Identify a clear priority plan in the patient's management.

c2. Get acquainted with special therapeutic options related to the specialty.

d) **General and Transferable Skills:**

By the end of the course, the student is expected to be able to:

d1. Use different sources for information and knowledge to know more about new drugs.

3. Contents:

Topic	Total No. of hours	Lecture	Tutorial/ Practical
Pharmacodynamics	3	3	
Pharmacokinetics	3	3	
Autacoids	3	3	
Drugs of autonomic nervous system.	3	3	
Drugs of the CNS.	4	4	
Drugs of the CVS.	4	4	
Drugs of the GIT.	4	4	
Drugs of the respiratory system.	3	3	
Chemotherapy and hormones.	3	3	
Total	30	30	
Credit	2	2	

4. Teaching and Learning Methods:

4.1- Lectures.

5. Student Assessment Methods:

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

1- Assessment 1: written examination week 24

2- Assessment 2: Structured Oral Exam week 24

3- Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessment: simple research assignment, attendance and absenteeism.

6. List of References:

(1) **Essential Books (Text Books): Katzung in pharmacology 2009.**

(2) **Recommended Books: lipnocott in pharmacology 2005 .**

(3) **Periodicals,Web sites:**

1-American Journal of pharmacology.

2- British journals of pharmacology.

3- WWW.Google. COM

4-WWW.yahoo.com.

5- www.sciencedirect.com.

7. Facilities Required for Teaching and Learning

- 1- ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
- 2- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printers.

Course Coordinator: Dr/ Faten M. Omeran.

Head of Department: Dr/Mahmod Hamdy.

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018.

Course Specifications of Community Medicine for MD Degree in Family Medicine

Sohag University

Faculty of Medicine

1. Program on which the course is given: MD Degree in Family Medicine
2. Major or minor element of program: Minor
3. Department offering the program: Family Medicine
4. Department offering the course: Community Medicine
5. Academic year / Level: 2nd part
6. Date of specification approval: Faculty council No: "317", decree No. "1533" dated 17/12/2018

A. Basic Information

Title: Course Specifications in Community Medicine in MD Degree in Family Medicine

Code: COM 0508-300

Credit hours

Title	Lecture	Practical	Total	Credit
Community Medicine	30	--	30	2

B. Professional Information

1. Overall Aims of the Course

1. To prepare a community-oriented physician capable of anticipating and responding to community health needs according to the policies, regulations, and guidelines of the MOHP.
2. To develop a post-graduate candidate able to take leadership in motivating the community served as regard the preventive aspects concerning the environment-based health problems.
3. To influence the post-graduate candidate to adopt a healthy lifestyle and sound behaviors to become role models for the individuals, their families and the communities they will serve in the future.

2. Intended Learning Outcomes of Course (ILOs)

a) Knowledge and Understanding:

By the end of the course, the post-graduate is expected to be able to:

- a1. Mention the effect of professional practice on the environment and the methods of environmental development and maintenance.

b) Intellectual Skills

By the end of the course, the postgraduate candidate is expected to be allowed to:

- b1. Conduct research studies, that adds to knowledge and help community development.

c) Professional and Practical Skills:

By the end of the course, the student is expected to:

- c1. Design new methods, tools and ways of professional practice to help solving community problems.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- d1. Work coherently and successfully as a part of a team and team's leadership to help community development

3. Contents

Topic	Lectures
Environment: - Terminology - Elements of environmental sanitation Water sanitation Sewage disposal Refuse disposal (including dangerous ones) Air pollution Food sanitation Rodent and insect control Sterilization and disinfection	15
Environmental risk factors of non- communicable diseases Cancer	5
Infectious diseases as typhoid, malaria, meningitis and hepatitis	5
PHC elements as MCH, IMCI, EPI	5
Total	30
Credit	2

4. Teaching and Learning Methods

4.1- Lectures

4.2- Computer search assignment

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
5.4Computer search assignment	-General transferable skills, intellectual skills

ASSESSMENT SCHEDULE:

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

WEIGHTING OF ASSESSMENTS:

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- course notes:

-Lectures notes prepared by the staff members in the department.

6.2- Essential Books (Text Books)

1- Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.

6.3- Recommended Books

- a. Dimensions of Community Health, Boston Burr Ridge Dubuque.
- b. Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.
- c. Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.

6.4- Periodicals, Web Sites, ... etc

1. American Journal of Epidemiology
2. British Journal of Epidemiology and Community Health
3. WWW. CDC and WHO sites

Facilities Required for Teaching and Learning:

1. Adequate infrastructure: including teaching clinical places, comfortable desks, good source of aeration, bathrooms, good illumination and safety and security tools.
2. Teaching tools: including screens, computers including cd(rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printers.
3. Computer program: for designing and evaluating MCQs.
4. Transport and full board facilities for students during the community campaigns.

Course Coordinator: Dr/ Ahmed Fathy Hammed

Head of Department: Dr/ Eman Abd El-Baset Mohammed

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

Course Specification of Immunology for MD Degree in Family Medicine

Sohag University

Faculty of Medicine

1. **Program Title:** MD degree in Family Medicine.
2. Minor element of program
3. Department offering the program: Family Medicine
4. Department offering the course :.microbiology and immunology department.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018.

A. Basic Information

Title: Course Specification of **Immunology** for MD Degree in Family Medicine.

Code: MIC 0520-300.

Total hours

Title	Lecture	Practical	Total	Credit
General medicine, immunology	15	--	15	1

B. Professional Information

1. Overall Aims of Course

By the end of the course the postgraduate student should be efficiently able to acquire advanced knowledge about the diagnosis and management of the immune system diseases; referral to the suitable consultant.

2. Intended Learning Outcomes of Course (ILOs):

a) **Knowledge and Understanding:**

By the end of the course the student is expected to:

- a1. Mention recent advances in the diagnosis of diseases.
- a2. Describe the management of immune system diseases.

b) **Intellectual Skills:**

By the end of the course the student is expected to:

- b1. Determine the involvement of the immune system in the current disease process.

c) **Professional and Practical Skills:**

By the end of the course the student should have the ability to

- c1. Design new methods, tools and ways of professional practice.

d) **General and Transferable Skills:**

By the end of the course the student should have the ability to:

- d1. Use appropriate computer program packages.
- d2. Use of different sources for information and knowledge.

3. Contents

Lectures	No. of hours	lectures	practical
Immunology			
Congenital & Acquired Immunity & immune cells	3	3	
Immunological diseases	3	3	
Hypersensitivity	2	2	
Transplantation	3	3	
Tumor Immunology	2	2	
Immunodeficiency	2	2	
Total	15	15	
Credit	1	1	

4. Teaching and Learning Methods

4.1- Lectures.

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

Final-term written examination	50%
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Structured Oral Exam	50%
Total	100%

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Essential Books (Text Books)

Jawetz Medical Microbiology.

Roitt Essential Immunology.

Abbas Clinical Immunology

Alberts Molecular Biology

6.2- Recommended Books

A coloured Atlas of Microbiology.

Topley and Wilson, Microbiology

6.3- Periodicals, Web Sites, etc

Microbiology

Immunology

<http://mic.sgmjournals.org/>

7. Facilities Required for teaching and learning.

1. **Adequate infrastructure:** including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2. **Teaching Tools:** including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3. **Computer Program:** for designing and evaluating MCQs

Course Coordinator: Dr. Mamdouh Mohammed Esmat

Head of Department: Prof.

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

Course Specification of Molecular Biology in MD degree in Family medicine

Sohag Faculty of Medicine

Sohag University

1. Program on which the course is given: MD degree in Family medicine.
2. Major or Minor element of program: Minor
3. Department offering the program: Family medicine.
4. Department offering the course: internal medicine
5. . Academic year/ Level: First part
6. Date of specification approval: Faculty council No. 219, decree No. (8115)dated 19/12/2011.

A. Basic Information

Title:Course Specification of Molecular biology in MD degree in Family medicine

Code : MIC 0521-300

Lectures	Practical	Total hour	Credit
30	-----	30	2

B. Professional Information

1. Overall Aims of Course

to know the molecular biological aspects on different types of normal tissues and tumors.

2. Intended Learning Outcomes of Course (ILOs).

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- a1. Mention the molecular biological aspects of cancer.
- a2. Mention cancer molecular biology and its impact on novel cancer therapies.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- b1. Analyze the molecular biological bases of cancer.
- b2. Interpret the terms of molecular biology.

c) Professional and Practical Skills:

- c1. Teach different molecular biological bases of cancer.
- c2. Teach the impact of molecular biology on the future of cancer classification and treatment .
- c3. Teach the detailed items of molecular biology.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- d1. Present reports for different molecular biological bases of cancer

3. Contents

Topic	Total hours	Lectures	Practical
- Identification of genetic material- DNA molecular structure-RNA molecular structure, types	4	4	

- DNA replication: models-enzymes	4	4	
- transcription	2	2	
- Protein synthesis	2	2	
- Regulation of gene action	2	2	
Molecular biology techniques			
1. Nucleic acid amplification techniques PCR:	2	2	
2. Nucleic acid hybridization techniques : In-situ hybridization (ISH)-Fluorescence In-situ hybridization(FISH)	3	3	
3. Genetic engineering(tools-isolation and use of restriction enzymes	3	3	
4. Sequencing of genes	2	2	
5. Synthesis of genes	2	2	
6. DNA finger printing	2	2	
7. DNA microarray	2	2	
Total hours	30	30	
Credit hours	2	2	

4. Teaching and Learning Methods

4.1- Lectures

4.2- Assignments.

4.3-attention and participating in scientific conferences, workshops and thesis discussion to acquire the general and transferable skills needed.

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20%	- Knowledge - Knowledge - Knowledge, intellectual skills

-Commentary, Problem solving: 15%	- Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
5.4 assignment	-General transferable skills, intellectual skills

Assessment Schedule

week 24

Assessment 1: written exam

week 24

Assessment 2: Structured Oral Exam

(formative)

Assessment 3: Attendance and absenteeism

Weighting of Assessments:

Final-term written examination	50%
Structured Oral Exam	50%
Total	100%

6. List of References

6.1- Essential Books (Text Books)

Gunderson text book

6.2- Recommended Books

Devita text book

6.3- periodicals

Free medical journals

7. Facilities Required for teaching and learning.

4. **Adequate infrastructure:** including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

5. **Teaching Tools:** including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

6. **Computer Program:** for designing and evaluating MCQs

Course Coordinator: Prof. Mamdouh Mohammed Esmat

Head of Department: Prof.

Date: 18/11/2011

Course Specification of Obstetrics, Gynecology and family planning for MD Degree in Family Medicine

Sohag University

Faculty of Medicine

1. **Program Title:** MD Degree in Family Medicine
2. Major element of program
3. Department offering the program: Family Medicine
4. Department offering the course: Obstetrics & Gynecology.
5. Academic Year/level: 2nd part
6. Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018

A- Basic Information

Title: Course Specification, Obstetrics, Gynecology and family planning for MD Degree in Family Medicine

Code: OBS 0520-300

Module	Lectures	Tutorials/Clinical	Total hour	Credit hours
Obstetrics module	120	60	240	12
Gynecology module	120	60	240	12
family planning module	45	30	75	4
Total	60	45	105	2

B- Professional Information

1. Program Aims:

Obstetrics module:

The aim of this program is to provide the postgraduate with the basic medical/ knowledge and skills essential for safe practice in the field of Obstetrics & Gynecology. Through providing:

1. Recent scientific knowledge essential for practice of Obstetrics & Gynecology according to the international standards.
2. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving.
3. Ethical principles related to the practice in this highly sensitive specialty.
4. Active participation in community needs assessment and problems identification.
5. maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

Gynecology module:

The aim of this program is to provide the postgraduate with the basic medical/ knowledge and skills essential for safe practice in the field of Obstetrics & Gynecology. through providing:

- a. Recent scientific knowledge essential for practice of Obstetrics & Gynecology according to the international standards.
- b. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving and decision making and operative skills.
- c. Ethical principles related to the practice in this highly sensitive specialty.
- d. Upgrading research interest and abilities.

Family planning module:

The aim of this program is to provide the postgraduate with the advanced medical/ knowledge and skills essential for safe practice in the field of Obstetrics & Gynecology. through providing:

1. Recent scientific knowledge essential for practice of Obstetrics & Gynecology according to the international standards.
2. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving and decision making.
3. Ethical principles related to the practice in this highly sensitive specialty.
4. Active participation in community needs assessment and problems identification.
5. Maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

2. Program Intended Learning Outcomes (ILOs)

Obstetrics module:

a) Knowledge and Understanding:

By the end of the study the Graduate should be able to:

- a1. List the causation of Obstetric problems and their pathogenesis.
- a2. Enumerate Methods of promoting maternal and fetal health and preventing their illness.
- a3. List the clinical picture and differential diagnosis of Obstetric illnesses.
- a4. Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of Obstetric illnesses.

b) Intellectual Skills

By the end of the study the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology and rank them according to their priorities.
- b2. Solve problems in the area of Obstetrics & Gynecology.
- b3. Assess risk in practices in the field of Obstetrics & Gynecology.
- b4.** Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study the Graduate should be able to:

- c1. Apply skills in the area of Obstetrics & Gynecology.
- c2. Write medical reports.
- c3. Use appropriate technology existing in the area of Obstetrics & Gynecology

d) General and Transferable Skills

By the end of the study the Graduate should be able to:

- d1. Perform the different types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and manage time.
- d6. Lead the team in familiar professional contexts.

d7. Learn himself continuously

Gynecology module:

a) Knowledge and Understanding:

By the end of the study the Graduate should be able to:

- a1. List the clinical picture and differential diagnosis of gynecologic illnesses.
- a2. Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of gynecologic illnesses.
- a3. Describe the various therapeutic methods/alternatives used for gynecologic diseases.

b) Intellectual Skills

By the end of the study the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology and rank them according to their priorities.
- b2. Assess risk in professional practices in the field of Obstetrics & Gynecology.

c) Professional and Practical Skills

By the end of the study the Graduate should be able to:

- c1. Write medical reports.
- c2. Use appropriate technology existing in the area of Obstetrics & Gynecology

d) General and Transferable Skills

By the end of the study the Graduate should be able to:

- d1. Perform the different types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Learn himself continuously

Family planning module:

a) Knowledge and Understanding:

By the end of the study the Graduate should be able to:

- a1. Describe the structure, mechanism of action, advantages, disadvantages, side effects and complications of the different family planning methods.

b) Intellectual Skills

By the end of the study the Graduate should be able to:

- b1. Analyze researches and issues related to family planning.
- b2. Assess risk in professional practices in the field of family planning.
- b3. Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study the Graduate should be able to:

- c1. Apply professional skills in the area of family planning.
- c2. Write medical reports.
- c3. Use appropriate technology existing in the area of family planning.

d) General and Transferable Skills

By the end of the study the Graduate should be able to:

- d1. Perform the different types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Learn himself continuously

Obstetrics module:

Topics	No. Of Hours
- Diagnosis of pregnancy.	1
- Antenatal care.	1
- Hyperemesis gravidarum, Pyelitis with pregnancy.	1
- Abortion.	1
- Ectopic pregnancy.	1
- Hydatidiform mole.	1
- Hypertensive disorders during pregnancy.	1
- Placenta praevia.	1
- Diabetes with pregnancy.	1
- High-risk pregnancy.	1
- Management of normal labour.	1
- Postpartum haemorrhage.	1
Total	12

Gynecology module:

Topics	No. Of Hours
- Amenorrhea.	1
- Ovulation and its disorders.	1
- Abnormal bleeding from the genital tract.	1
- Infertility.	1
-REPRODUCTIVE TRACT INFECTIONS:	
- Lower genital tract infections.	1
- Genital prolapse-R.V.F.	1
- Genito-urinary fistula and stress incontinence.	1
-UTERINE FIBROIDS.	1
-ENDOMETRIOSIS AND ADENOMYOSIS.	1
-GYNECOLOGIC ONCOLOGY:	
- Cervical carcinoma.	1

- Ovarian tumours.	1
- Choriocarcinoma.	1
Total	12

Family planning module:

Lectures	Total hour
IUCD	1
Injectable Contraceptive	1
Combined oral contraceptive.	1
Progesteron only pills	1
Sebdermal limplants	1
Emergency contraceptive	1
Barrier methods.	1
Total	7

4. Teaching & Learning methods.

Lectures.

Attending and Participating in Scientific Conference, Workshop and thesis discussion to acquire the general and transferable skills needed.

5. Methods of student assessments:

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.3-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills

5.4-OSCE	-Practical skills, intellectual skills General transferable skills
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Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

Weighing of Assesment Log book..... Formative Exam

Final-term written examination	50%
Structured Oral Exam	30%
OSCE	20%
Total	100%

6. List of References

Obstetrics module:

6.1- Course Notes

Lecture notes prepared by staff members in the department.

6.2- Essential Books (Text Books)

Essentials of Obstetrics & Gynecology

Illustrated of Obstetrics & Gynecology

6.3- Recommended Books

High risk pregnancy by frenando.

Williams Obstetrics.

6.4- Periodicals, Web Sites, ... etc

Clinical Obstetrics & Gynecology.

Cochrane Library,Medline & Popline

Gynecology module:

6.1- Course Notes

Lecture notes prepared by staff members in the department.

6.2- Essential Books (Text Books)

Essentials of Obstetrics & Gynecology

Illustrated of Obstetrics & Gynecology

6.3- Recommended Books

Jeffocat's Gynecology

6.4- Periodicals, Web Sites, ... etc

Clinical Obstetrics & Gynecology.

Cochrane Library, Medline & Popline

Family planning module:

6.1- Course Notes

Lecture notes prepared by staff members in the department.

6.2- Essential Books (Text Books)

Essentials of Obstetrics & Gynecology

Illustrated of Obstetrics & Gynecology

6.3- Recommended Books

Spiroff textbook.

6.4- Periodicals, Web Sites, ... etc

Clinical Obstetrics & Gynecology.

Cochrane Library, Medline & Popline

7. Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Coordinator. Salah M. Rasheed

Head of Department: Abdo Saied

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013, Revised:1/12/2018

Course Specification of Psychiatry in MD Degree in family medicine

Sohag University

Faculty of Medicine

1. Programme(s) on which the course is given: MD degree in family medicine
2. Major or Minor element of programmes: Minor
3. Department offering the programme: Department of family medicine.
4. Department offering the course: Department of Neurology and Psychological Medicine.
5. Academic year / Level: 2nd part.
6. Date of specification approval: Faculty council No: "317", decree No. "1533" dated 17/12/2018.

A- Basic Information

Title: Course Specification of Psychiatry for MD degree in Family medicine

Code: PSY0518-300

Title	lecture	Clinical	total
Psychiatry	30	60	30

B- Professional Information

1. Overall Aims of Course

Educational aims for graduate doctors:

Upon successful completion of this course, the graduates should be able to

verify psychiatric symptoms and apply the obtained data in verifying abnormalities in human behaviors, thinking and emotional responses occurring in various psychiatric disorders and referral to a consultant.

2. Intended Learning Outcomes of Course (ILOs)

a) Knowledge and Understanding:

By the end of the program, the graduate should be able to:

- a1. Enumerate body organs and substructures involved with or contribute to normal and abnormal neuropsychological functions.
- a2. List physiological functions and pathological changes related to behavioral and psychiatric science.
- a3. Describe the updated biological views in various psychiatric disorders.
- a4. Mention the known and updated international classifications of psychiatric disorders.
- a5. Mention the known and recent theories and factors explaining the etiology in various psychiatric disorders.
- a6. Describe the basic diagnostic criteria in psychiatric disorders.
- a7. List the common differential diagnosis in various psychiatric disorders.
- a8. Mention the common and updated interventional therapeutic methods in handling psychiatric emergencies and psychiatric disorders.
- a9. Explain the rational underlying various methods of treatment in psychiatric disorders.
- a10. Mention the known good & bad prognostic factors in common psychiatric disorders.
- a11. Illustrate basics and updated knowledge associated with various topics in psychiatry and related sciences (psychology of ;emotion, perception, thinking, memory...ect)
- a12. List the fundamental ethical considerations in the field of scientific psychiatric research.
- a13. Mention the ethical and legal aspects of professional practice in different fields of psychiatry
- a14. Mention The principles and fundamentals of quality of professional practice in the field of psychiatry.
- a15. List of the impact of professional practice on the environment and the methods of environmental development and maintenance

b) Intellectual Skills

By the end of the program, The graduate should be able to:

- b1. Analyze symptoms & signs of psychiatric abnormalities
- b2. Interpret data acquired through history taking to reach a provisional diagnosis in Psychiatry
- b3. Suggest a differential diagnosis to obtained clinical psychiatric symptoms/signs.
- b4. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for the psychiatric problem.
- b5. Construct a treatment plan based on available data in each case management.
- b6. Predict the possible response to treatment intervention and expected future prognosis.
- b7. Conduct research study (-ies) that adds to knowledge in psychiatry.
- b8. Assess risk in professional practices in the field of psychiatry
- b9. Plan to improve performance in the field of psychiatry.
- b10. Identify problems and find solutions in psychiatry and related sciences.
- b11. Have the ability to innovate nontraditional solution to psychiatric problems.
- b12. Manage Scientific discussion administration based on scientific evidences and proofs.

c) Professional and Practical Skills

By the end of the program, The graduate should be able to:

- c1. Mastery of the basic and modern professional clinical skills in the area of psychiatry.
- c2. Write a professional and competent psychiatric reports.
- c3. Evaluate & professionally judge and criticize Psychiatric reports.
- c4. Evaluate and develop methods and tools existing in the area of psychiatry
- c5. Perform different therapeutic tools in psychiatry (e.g ECT, psychotherapy, ..ECT.).
- c6. Train/teach junior staff through continuous medical education programs on psychiatry and related fields.
- c7. Design new methods, tools and ways of professional practice.

d) General and Transferable Skills

By the end of the program, The graduate should be able to:

- d1. Present reports in seminars effectively
- d2. Use appropriate computer program package to collect ,write and present data.
- d3. Teach others and evaluate their performance in various psychiatric fields
- d4. Assess himself and identify his personal learning needs.
- d5. Use different sources for information and knowledge.
- d6. Work coherently and successfully as apart of a team and team's leadership.
- d7. Manage Scientific meetings according to the available time.

3. Contents

Topic	Total	Lectures	Clinical
<u>Assessment of psychiatric cases</u> (Methods ant tools of investigation).	10	3	7
Mental retardation			6
Learning disorders			
<u>Cognitive disorders</u>	10	4	
Dementia			
Delirium			
<u>Schizophrenia and related disorders</u>	9	3	6
a. Schizophrenia			
b. Schizophreniform disorder			
c. Schizoaffective disorder			

d. Delusional disorder			
<u>10. Mood disorders</u>	10	4	6
a. Depressive disorders			
b. Major depressive disorder			
c. Dysthymic disorder			
d. Bipolar disorders (BPD)			
g. Cyclothymic disorder			
h. Other Mood disorders			
<u>11. Anxiety disorders</u>	9	4	5
a. Panic disorder			
e. Phobia			
f. Social phobia			
g. Specific phobia			
h. Obsessive compulsive disorder			
j. Post-traumatic stress disorder			
k. Acute stress disorder			
l. Generalized anxiety disorder			
<u>13. Somatoform disorders</u>	9	3	6
a. Somatization disorder			
d. Pain disorder			
e. Hypochondriasis			
<u>Total</u>	90	30	60

4. Teaching and Learning Methods

1. lectures
2. discussing seminars
3. clinical rounds with practical supervised history taking
4. case studies
5. talk preparation and presentation
6. psychiatric periodical research

5. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills

5.2- Log book	- General transferable skills
5.3-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
5.4-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
5.5-OSCE	-Practical skills, intellectual skills General transferable skills

Assessments schedule:

Assessment 1.... log book (formative exam).	week :80
Assessment 2.... Final OSCE	week: 96
Assessment 3....Final written exam	week :96
Assessment 4 ... Final Structured Oral Exam	week: 96

Weighting of Assessments

Final-written Examination separate exam

Passing in written exam is a condition to attend following exams:

Final written Exam. 50 %

Final Structured Oral Exam 30%

OSCE 20%

Total 100%

Formative only assessments : simple research assignments ,log book , attendance , absenteeism

6. List of References

6.1- Essential Books (Text Books)

1. Kaplan & Sadock's Comprehensive Textbook of Psychiatry
Edition: 9th edition (2009)
Pages: 4884 pages
2. New Oxford Textbook of Psychiatry
Source: Oxford University Press (OUP)
Edition: 2nd
Year: 2009
Pages: 1952

6.2- Recommended Books

1. Diagnostic and Statistical Manual of Mental Disorders DSM-IV-TR Fourth Edition (Text Revision)
Paperback: 943 pages
Publisher: American Psychiatric Publishing, Inc.; 4th edition (June 2000)
2. The ICD-10 Classification of Mental and Behavioural Disorders: Diagnostic Criteria for Research
Paperback: 261 pages
Publisher: World Health Organization (November 1993)
3. The Maudsley Prescribing Guidelines, Tenth Edition
Paperback: 544 pages
Publisher: Informa Healthcare; 10 edition (October 30, 2009)
4. Lishman's Organic Psychiatry
Hardcover: 948 pages
Publisher: Wiley-Blackwell; 4 edition (August 10, 2009)
5. Companion to Psychiatric Studies (MRCPsy Study Guides)
Paperback: 864 pages
Publisher: Churchill Livingstone; 8 edition (September 1, 2010)

6.3- Periodicals, Web Sites, ... etc

7. Facilities Required for Teaching and Learning

1. ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
2. TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.
3. COMPUTER PROGRAM: for designing and evaluating MCQs

Course Coordinator: Prof. / Hemid Mostafa Azab

Head of Department: Prof. Ghareeb Fawy Mohamed

Date: 18/12/2011, **Revised:** 1/9/2012, **Revised:** 1/12/2013, **Revised:** 1/12/2018

Course Specifications of Internal Medicine in MD degree in Family medicine

Faculty of Medicine

Sohag University

1. Programme(s) on which the course is given: MD degree in family medicine
2. Major or Minor element of programmes: Major
3. Department offering the programme: Department of family medicine.
4. Department offering the course: Department of Internal Medicine.
5. Academic year / Level: 2nd part.
6. Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018.

A. Basic Information

Title : Course Specification of Internal Medicine for MD degree in Family medicine

Code: 0523-300

Credit hours

Title	Lecture	Practical	Total	Credit
Internal Medicine	45	90	135	6

B. Professional Information

1. Aim of the Course:

By the end of this course, the physician should be able to:

- *Manage efficiently the common and important medical conditions encountered in primary care.*
- *Apply proper referral criteria.*
- *Ensure follow-up and continuity of care*

2- Intended learning outcomes (ILOs)

A- Knowledge and understanding:

- *Recognize preventive measures needed for communicable and non-communicable diseases at primary care level*
- *List symptoms, signs and red flags of common and important conditions encountered in primary care*
- *Identify investigations needed to reach proper diagnosis*
- *List indications and limitations of different investigations*
- *Manage common and important conditions encountered in primary care*
- *Identify when, where and why to refer*
- *Ensure continuity of care*

B- Professional and practical skills

To fulfill the following skills in internal **medicine**:

- Apply proper history taking
- Properly perform general & local examination including thyroid, joint and neurological examination
- Properly Interpret x-rays
- Perform & interpret ECG
- Use of peak-flow meter appropriately
- Use of inhalers, nebulizers and spacers appropriately
- Proper glucometer properly
- Use drugs appropriately in a cost effective manner
- Apply a coordinated referral system.

C- Attitudes

The trainee should develop attitudes that encompass:

- 1.To be able to maintain honesty and integrity in all interactions with patients, patient's families, colleagues, and others with whom physicians must interact in their professional lives.
- 2.To be able to value and respect the patients' privacy and dignity, with an understanding of their needs and their families
- 3.To be aware of the scope and limits of his role and the necessity to seek and use regularly the collaboration of other health workers.
- 4.To be ready to educate, motivate, supervise and lead other health workers in health promotion, prevention and treatment of diseases .
- 5.Recognition of the psychosocial and economic impact of disease on the individual and family.
- 6.Support of individual and family through consultation, evaluation, treatment and rehabilitation.

D-General and Transferable Skills

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

- d1. Allay patient anxiety and get his confidence, and responds effectively to his emotional and psychological concerns.
- d2. Explain to the patients and/or his relatives the nature of the disease, the diagnostic and therapeutic options and recommend life style modifications.
- d3. Interact and communicate effectively with his colleague and other health care professionals.
- d4. Communicate with the patients with full respect to all his rights particularly in regard to confidentiality and informed consent.
- d5. Adopt respect to all of the colleagues.
- d6. Incorporate clinical ethics, and legal responsibilities

3- Course content

Topic	Total No. of hours	Lectures	Clinical
1. Diseases of the cardiovascular system <ul style="list-style-type: none"> • Hypertension • Ischemic heart disease & dyslipidemia • Cardiac failure • Rheumatic fever, SBE and diseases of the heart valves 	18	6	12

2-Endocrine and metabolic diseases <ul style="list-style-type: none"> • <i>D.M.</i> • <i>Goitre, hyperthyroidism and hypothyroidism</i> 	18	6	12
3. GIT and liver diseases <ul style="list-style-type: none"> • <i>Gastritis, peptic ulcer & dyspepsia</i> • <i>Irritable bowel disease</i> • <i>Liver disorders (acute and chronic liver diseases)</i> • <i>Jaundice</i> • <i>Others: IBD, UC.</i> 	18	6	12
4. Diseases of the respiratory system <ul style="list-style-type: none"> • <i>Asthma</i> • <i>COPD</i> • <i>Infection including TB & pneumonia, bronchitis</i> 	18	6	12
5- Diseases of the blood <ul style="list-style-type: none"> • <i>Anaemias</i> • <i>Bleeding tendency & Coagulation defects</i> 	12	4	8
6-Diseases of the nervous system <ul style="list-style-type: none"> • <i>Headache</i> • <i>Cerebrovascular disorders</i> • <i>Coma and syncope</i> 	12	4	8
7-Diseases of the Kidney and Genito-urinary system <ul style="list-style-type: none"> • <i>UTI</i> • <i>Urine abnormalities (hematuria and proteinuria....)</i> 	13	5	8
8-Diseases of the connective tissues, Joints and Bones <ul style="list-style-type: none"> • <i>Gout</i> • <i>Others: Rheumatoid arthritis, SLE,.</i> 	12	4	8
9-Infectious diseases	14	4	10

<ul style="list-style-type: none"> • Typhoid • Malaria • Infectious Mononucleosis • Parasitic infection 			
TOTAL	135 hours	45 hours	90 hours

4- Teaching and Learning Methods

- **Lectures and interactive learning .**
- **Clinical practice:**
2 months clinical training in internal medicine department and outpatient clinic

- **Place of learning:**

1. Family medicine department &
2. Internal medicine department, outpatient clinic & emergency

5- Student Assessment:

5a- Assessment Tools:

- Log book
- Oral exam: 10 OSPE stations
- Clinical exam : OSCE stations

5b- Assessment Schedule:

- 1- Assessment 1: written examination: week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

5c- Weighting of Assessment:

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

Weighing of Assesment Log book..... Formative Exam

Final-term written examination	50%
Structured Oral Exam	30%
OSCE	20%
53	

Total	100%
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6- List of Text books and References

- *National guidelines*
- *First aid*
- *Swanson*
- *Rakel Textbook of family medicine*
- *Taylor's manual of family medicine*

7-Facilities Required for teaching and learning.

- **Adequate infrastructure:** including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.
- **Teaching Tools:** including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, colour and laser printers.
- **Computer Program:** for designing and evaluating MCQs

Course Coordinator: Dr.

Head of Department: Prof.

Date: 18/12/2011, **Revised:**1/9/2012, **Revised:**1/12/2013, **Revised:**1/12/2018

Course Specifications of Pediatrics in MD degree in Family medicine

Faculty of Medicine

Sohag University

- Programme(s) on which the course is given: MD degree in family medicine
- Major or Minor element of programmes: Major
- Department offering the programme: Department of family medicine.
- Department offering the course: Department of Pediatrics
- Academic year / Level: 2nd part.
- Date of specification approval: Faculty council No: "317", decree No. "1533" dated 17/12/2018.

A. Basic Information

Title : Course Specification of Internal Medicine for MD degree in Family medicine

Code: 0523-300

Credit hours

Title	Lecture	Practical	Total	Credit
Pediatrics	٣٠	٦٠	٩٠	٤

B. Professional Information

1. Aim of the Course:

- To recognize and manage common and important pediatric problems.
- To care of the normal newborn and manage common neonatal problems.
- To care of the growing infant and child.
- To identify referral criteria and red flags.
- To ensure the continuity of care.

2. Intended learning outcomes (ILOs)

A- Knowledge and understanding:

By the end of this course the family physician should be able to:

1. Recognize the characteristics of the normal neonate.
2. Diagnose and properly manage common neonatal problems.
3. Elicit the elements of well child care.
4. Manage common pediatric medical problems at the primary care level.
5. Recognize the red flags and referral criteria.
6. Recognize growth and developmental abnormalities: short stature, failure to thrive, obesity and large head.

B- Professional and practical skills

The family physician is required to fulfill the following skills in pediatrics:

- Proper registration including management and follow up.

- Assign APGAR scores.
- Resuscitation of newborns, infants and children
- Perform and document age-appropriate history and physical examination
- Administer and interpret developmental screening tests
- Immediate management of common emergencies and urgent referral

3- Course content:

TOPIC	Total No. of hours	Lectures	Clinical
• Growth and development	12	4	8
• Nutrition and malnutrition : (Protein energy malnutrition , Rickets)	8	3	5
• Respiratory tract problems: acute bronchitis, acute bronchiolitis, croup syndrome, bronchial asthma)	10	3	7
• Gastrointestinal problems (diarrhea, dehydration, diseases of the liver as hepatitis, liver cirrhosis, liver cell failure)	5	2	3
• Infections : bacterial infections, viral infections and parasitic infections)	12	4	8
Fetal and neonatal period : 1.Normal neonate 2.Neonatal problems: neonatal hyperbilirubinemia, neonatal convulsions, neonatal sepsis	12	4	8
• Renal/urological medical problems: acute post-streptococcal glomerulonephritis, proteinuria, nephrotic syndrome	4	1	3
• Hematological problems: anemia (iron deficiency anemia, thalassemia, sickle cell anemia), idiopathic thrombocytopenic purpura, coagulation defects	5	2	3
• Endocrine/metabolic problems: hypothyroidism, short stature, diabetes mellitus	4	1	3
• Neurological problems , musculoskeletal problems: microcephaly, hydrocephalus, cerebral palsy, febrile convulsions	5	2	3
• Cardiovascular problems: congenital heart diseases, rheumatic heart diseases	9	3	6

• Others (Down Syndrome,.....)	4	1	3
• Total	90	30	60

4- Teaching and Learning Methods:

- **Lectures and interactive learning** : 4 hours per week for 12 weeks
- **Clinical practice:**2 months clinical training
- **Place of learning:**
 1. Family medicine department
 2. Pediatrics department

5- Student Assessment :

5a- Assessment Tools:

- Log book
- Written test of knowledge:
- Oral exam : including interpretative stations with total of 50 marks (30 OSPE and 20 oral)
- Clinical exam :
 1. OSCE: 5 cases
 2. Total of 50 marks

5b- Assessment Schedule:

- 1- Assessment 2: Written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

5c- Weighting of Assessment:

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

Weighting of Assessment Log book..... Formative Exam

Final-term written examination	50%
Structured Oral Exam	30%
OSCE	20%
Total	100%

6- List of Text books and References :

Text books:

- Swanson
- Rakel textbook
- National guidelines
- First aid,.....

7-Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Coordinator. Ismail Abdel Alim

Head of Department: Mohammad Abdel Aal

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013, Revised:1/12/2018

Course Specification of Forensic Medicine & Toxicology for MD Degree in Family Medicine

Sohag University

Faculty of Medicine

1. Program Title: MD Degree in Family Medicine
2. Minor element of program
 1. Department offering the program: Family Medicine
 2. Department offering the course: Forensic Medicine & Toxicology.
3. Academic Year/level: 2nd part
4. Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018.

Basic Information

Title: Course Specification, Forensic Medicine & Toxicology for MD Degree in Family Medicine

Code: 0509-100

Title	Lecture	Practical	Total	Credit
Toxicology	30	----	30	2

A. Professional Information

1. Overall Aims of Course

The aim of the course is to:

- Provide ability to diagnose and manage intoxicated patients especially 1st aid and general lines of treatment.
- Provide background of different medico-legal aspects of living and dead individuals

2. Intended Learning Outcomes of Course (ILOs).

a. Knowledge and Understanding:

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

- a1- Describe different medico-legal aspects of living and dead individuals regarding personal identification, diagnosis of death, causes and manner of death, and differentiation between types of wounds and patterns in different areas and their complications.
- a2- Explain medicolegal (ML) aspects of different cases of sexual offences.
- a3- Explain maternal morbidity and mortality from ML point of view.
- a4- Explain various medicolegal aspects of malpractice.
- a5- Describe basic background of medical ethics.
- a6- Explain different types of physical injuries.
- a7- List different classes of common toxic substances and environmental pollutants.
- a8- Explain the circumstances of intoxication, toxic doses, toxo kinetics clinical picture, differential diagnosis of different drugs and toxic substances in relation to most common poisons.
- a9- Explain initial appropriate first aid treatment and antidotal measures for different drugs and toxic substances.

b- Intellectual Skills

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

- b1- Recognize common ethical dilemmas and suggest a proper solution.
- b2- Analyze case scenario of clinical forensic medicine and recognize their medico-legal aspects.
- b3- Analyze different problems of malpractice.
- b4- Analyze case scenario of intoxicated

c- Professional and Practical Skills

By the end of the course, students should be able to start their upcoming clinical training by:

- c1- Identify living and dead individuals.
- c2- Diagnose death by different clinical and investigatory methods.
- c3- Determine time of death through assessment of post mortem changes and interval.
- c4- Identify different causes of death and manner of death as well.
- c5- Examine different wounds and injuries and write a proper primary wound report.
- c6- Make preliminary tests for blood grouping and toxicological screen.

d- General and Transferable Skills

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

- d1-Recognize the legal aspects and moral commitments of medical practice
- d2- By the end of the course the student should be able to deal with cases (live or dead) in careful and respectful manner, according to medical ethics.
- d3- Also the student must be acclimatized to be one of the team work and good relationship with his staff and colleagues

3. Course contents

TOPIC	Total No. of hours	Lectures	Clinical
2- Toxicology			
Focused clinical examination of a poisoned patient	4	4	
Management of an intoxicated patient	5	5	
Household intoxication (corrosive, insecticides, bleaching substances)	4	4	
Inhalants (CO, CO ₂ , cyanide)	4	4	
Volatile poisons (ethyl and methyl alcohol and kerosene)	4	4	
Medical toxicology (CMS depressants and stimulants, analgesics antipyretics opiates and anticholinergic and cardiovascular drugs)	5	5	
Substances of abuse	4	4	
Total	30	30	--

4- Teaching and Learning Methods:

- **Lectures and interactive learning** : 4 hours per week for 12 weeks
- **Place of learning:**
 - a) Family medicine department
 - b) Forensic Medicine & Toxicology department

5- Student Assessment :

5a- Assessment Tools:

- Log book
- Written test of knowledge:

5b- Assessment Schedule:

- 1: written examination : week 24
- 2: Assessment of attendance & absenteeism throughout the course

5c- Weighing of Assessment Log book..... Formative Exam

Final-term written examination	100%
Total	100%

6- List of Text books and References :

- 1. Forensic medicine encyclopedia.
- 2- Forensic pathology of DeMayo.
- 3- Principles of clinical toxicology.
- 4- Emergency toxicology.
- 5- Forensic pathology of B. knight.
- 6- Pit falls of toxicology of Olson.

7-Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQsCoordinator.

Head of Department Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013, Revised:1/12/2018

- 1 Program on which the course is given: **MD** degree in Family Medicine
- 2 Major or Minor element of programs: Major
- 3 Department offering the program: Family Medicine
- 4 Department offering the course: Family Medicine
- 5 Academic year / Level; 2nd part
- 6 Date of specification approval: Faculty council No: “317”, decree No. “1533” dated 17/12/2018.

A. Basic Information

Program title: Course Specification of Family Medicine in MD Degree in Family Medicine

Code:

Total hours:

Title	Lecture	Practical	total	Credit hours
Family Medicine	45	90	135	6

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the medical knowledge and skills essential for practice of specialty and necessary to gain further training and practice through providing:

- Recent scientific knowledge according to the international standards.
- Active participation in community needs assessment and problems identification.
- Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) **Knowledge and understanding:**

By the end of the course, the student is expected to be able to:

- a1. Identify principles, components and functions of family medicine and the impact of its implementation.

b) **Intellectual Skills**

By the end of the course, the student is expected to be allowed to:

- b1. Conduct research studies that adds to knowledge in the area of family medicine.
- b2. Formulate scientific papers in the area of family medicine.
- b3. Plan to improve performance in the field of family medicine
- b4. Criticize researches related to family medicine.

c) **Professional and Practical Skills:**

By the end of the course, the student is expected to practice the following:

- c1. Master the basic and modern professional skills in the area of family medicine
- c2. Write and evaluate of reports related to family Medicine.
- c3. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent community problems and training junior staff
- c4. Design new methods, tools and ways of professional practice in the area of field medicine.

d) **General and Transferable Skills:**

By the end of the course, the student is expected to be able to:

- d1. Assess himself and identify his personal learning needs in the field of family medicine.

d2. Use of different sources for information and knowledge to acquire data and skills in the area of family medicine.

C. Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Family medicine concept and rationale	6	1	5
Duties of family medicine physician	30	10	20
Aspects of family care	20	5	15
Management of family health problems	50	20	30
Family medicine services	21	6	15
Family welfare	8	3	5
Total	135	45	90
Credit hours	6		

D. Teaching and Learning Methods

1. Lectures
2. Family health units training

E. Student Assessment Methods

Method of assessment	The assessed ILOs
5.1- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15%	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,

Assessment Schedule

Assessment 1.....Final written exam.....week: 24

Assessment 2..... Attendance and absenteeism throughout the course

Weighting of Assessments

Final written examination	63	%	100
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Total	%	100
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F. List of References

6.1- Course Notes

Lecture notes prepared by the staff members in the department

6.2- Essential Books (Text Books)

1-current family medicine.

6.3- Recommended Books

1- family practice handbook.

2- Taylor manual of family practice.

3- Swanson textbook.

6.4- Periodicals, Web Sites, ... etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

G. Facilities Required for Teaching and Learning:

1-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.

2- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.

3- COMPUTER PROGRAM: for designing and evaluating MCQs

Course Coordinator: Dr

Head of Department: Dr/Eman Abd El-Baset Mohammed

Head of Department Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013, Revised:1/12/2018