Faculty of Medicine
Ain Shams University

Postgraduate Studies

Master of Sciences in Family Medicine

درجة الماجستير في طب الأسرة

Program Code: CEO 640

Program Guide and Logbook
Candidate Curriculum vitae

[Name]

Please attach your recent photo

[telephone no]
[mobile no]
[mailing address]

[email address]
[postcode]

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| [organization] |
| [previous job title] |
| [start and end date] |
| [location] |
| [responsibilities] |
[organization]

[previous job title]

[start and end date]

[location]

[responsibilities]

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**Education**

[certificates]

[start and end date]

[school or college]
Training

[any other training that will be useful in your job]

Filled by post graduate authorities

Date of Registration

First semester

Second semester

Third semester

Fourth semester
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I – Welcome Statement:

The Department of Community, Environmental and Occupational Medicine department welcomes you to the Degree of Professional Diploma in Family Medicine. As a department we are committed to medical student education and continuously strive to improve your educational experience. This handbook presents information guide and logbook activity of this master degree administered by Community, Environmental and Occupational Medicine department, Faculty of Medicine, Ain Shams University.

II - Mission Statement:

The mission of the Faculty of Medicine, Ain Shams University is “The preparation of a competent graduate, who is able to compete on both national and regional levels, capable of lifelong learning, training and tutoring, while adhering to the codes of practice of medical health services and ethics. The college as well, seeks continuous development of programs and courses. It also enhances expansion of applied scientific research and health programs for community services and environmental development. Moreover, through providing distinguished academic and research cadres of teaching staff, supporting the administrative system and sustainability of own resources, the college is able to achieve goals and objectives”.

Vision and Mission of Community Medicine Department

Our concern is Healthy people in healthy communities
Our mission is promotion of health and prevention of diseases, injuries and disabilities through innovative education and training

III – Senior Supervisor and Affiliated Departments and Hospitals

Senior Supervisor

Prof.
E-mail:

IV – Program Specifications
A- Basic Information

1. **Program title:** Master of Sciences in Family Medicine
2. **Program type:** Single
3. **Faculty**
   Ain Shams University – Faculty of medicine
4. **Department**
   Department of Community, Environmental and Occupational Medicine
5. **Assistant coordinator**
   ................................................................................................................................................
6. **Coordinator**
   ................................................................................................................................................
7. **Last date of program approval:**
   ................................................................................................................................................

B- Professional Information:

1. **Program aims:**

   *After completing the program, the students should be able to:*

   - Implement the principles of family medicine and primary health care within his center
   - Diagnose and manage common health problems prevalent in the community
   - Take an action about who and where to refer if beyond his capacity of control
   - Conduct researches to identify prevalence and risk factors of prevalent and important health problems within the family
   - Apply different communication skills in health education programs
   - Develop the attitude of self continuous professional development to be always evidence based decision maker

2. **Intended learning outcomes (ILOs):**

   a. **Knowledge and understanding:**

   *By the end of the program the candidate will be able to:*
   
   A1. Comprehend psychosocial and cultural determinants of health and disease
   A2. Understand the concept and principles of family medicine holistic approach
   A3. Recognize the process of continuity of care for selected patients addressed in national Basic Benefit Package provided by MOHP
A4. Identify elements of primary health care and family medicine that should be administered to the family through continuity of care system
A5. Identify the roles and duties of family physician and health team
A6. Understand the principles and practice of patient-centered communication
A7. Identify the referral system process, feedback and follow up
A8. Understand health team consultation and principles of referral process
A9. Understand the process of growth and development pattern in childhood and its deviation
A10. List steps and procedures of premarital care
A11. List main nutritional problems and the national programs for supplementation
A12. Acknowledge the role of domestic violence and its impact on the whole family
A13. Describe different physiological and psychological changes in adolescence and elderly
A14. Define the health needs of different vulnerable groups in the family
A15. Describe nutritional and psychological needs in pregnancy and lactation
A16. Review post-natal assessment tools (Delivery, BF, Support, Sexuality, Physical exercise, Nutrition and FP choices)
A17. Identify reproductive tract infection and STD and their management plans

b. Intellectual capabilities:
By the end of the program the candidate will be able to:
  B1. Adopt methods of problem solving on an evidence base
  B2. Correctly interpret information gathered from history and examination relevant to different life cycles and events
  B3. Diagnose and manage common health problems
  B4. Use drugs and investigation tools on a cost-effective base
  B5. Use risk approach regarding occupational exposure

c. Professional and practical skills:
By the end of the program the candidate will be able to:
  C1. Appreciate cost-effective medical care through rationalization of drug use
  C2. Use communication skills in conduction of health education sessions and seminars
  C3. Adopt risk approach in diagnosis of health problems
  C4. Perform correct general and special examination (e.g. pregnant)
  C5. Conduct home visiting
  C6. Handle and keep an appropriate easily retrieved health information system
  C7. Use computer efficiently
C8. Help in conduction of surveillance to take the suitable action in the emergency situations
C9. Evaluate health services and programs to modify them.

d. General and transferable skills:
**By the end of the program the candidate will be able to:**

D1. Communicate, negotiate, and have presentations and leadership skills
D2. Stimulate team work, community participation and coordination between different sectors
D3. Accept conflicting interests and solving the problems within team
D4. Self-evaluate and adaptation towards changing circumstances
D5. Appreciate the need for continuous education and time management

3. Academic standards: (Benchmarks)

4. Curriculum structure and contents:
4a- Program duration:
4b- Program structure:

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<th>الساعات المعتمدة</th>
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5. Program courses:
   a. Compulsory

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<td>Health Research Methods (Operational and Epidemiological Methods)</td>
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<td>Medical Statistics</td>
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T: Total, L: Lecture, C/P: Clinical/Practical

b. Elective

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6. Program admission requirements:

المادة (6) : يشترط لقيد الطالب للحصول على درجة الماجستير:

1- أن يكون حاصلاً على درجة البكالوريوس في الطب والجراحة من إحدى جامعات جمهورية مصر العربية أو على درجة معادلة
2- أن تكون قد أمضى سنة التدريب (الامتياز) 3- موافقة جهة العمل
4- تسديد الرسوم ومصاريف التدريب واستمارات التدريب والانتهاء الأجيزه واستيفاء المستندات المطلوبة في الملحق (1)

التفرغ للدراسة لمدة فصلين دراسيين قبل دخول امتحان الجزء الثاني

ملحق (1) : يقدم طالب الإلتحاق لدرجة الماجستير الأوراق التالية :

1- طلب إلتحاق 2- شهادة البكالوريوس 3- شهادة الامتياز 4- شهادة الميلاد أو مستخرج رسمي
5- الموقف من التجنيد 6- موافقة جهة العمل على التسجيل والتفرغ المطلوب 7- عدد 6 صور فوتوغرافية
6- بالنسبة للوافدين يقدم الطالب موافقة السفارة ويحدد جهة تحمل النفقات كما يقدم شهادة صحية

7. Regulation for progression and program completion

ماداة (8): يتم التسجيل للماجستير مرة واحدة في السنة تبدأ من أول يوليو حتى أخر أغسطس على أن تبدأ الدراسة في شهر أكتوبر من كل عام 0 ويجوز قبول تسجيل التذليل والمعيدين والوافدين في الفترة من أول نوفمبر حتى أخر ديسمبر على ألا يسمح لهم بدخول إمتحان الجزء الأول إلا بعد إنقضاء فترة الدراسة المطلوبة

ماداة (9): توزع الدراسة في كل عام جامعي على فصول دراسيين مدة كل منها خمسة عشر أسبوعاً. يبدأ الأول في أول أكتوبر ويبدأ الثاني في منتصف فبراير. مع تنظيم فصل دراسي صيفي مكثف لمدة ستة أسابيع. و يتم التسجيل للفصل الدراسي قبل أسبوعين من بداية العطلة. حسب المقررات المسجلة. ولا يجوز أن يزيد العبء الدراسي في الفصل الواحد عن 6 ساعات معتمدة. ويجوز للطالب تعديل المقررات خلال أسبوعين من بداية الفصل الدراسي (بالحذف أو الإضافة). كما يجوز له الانسحاب خلال سته أسابيع من أحد المقررات دون استبعاد رأسياً فيه.

المادة (11): مدة الدراسة للحصول على درجة الدبلوم أو الماجستير هي أربعة وعشرون شهراً (أربعة فصول دراسية) على جزئين يجتاز فيها الطالب برنامجاً تدريبياً متكاملاً طبقاً للساعات المعتمدة الموضحة بالباب الرابع وستوفر خلالها المطلوب منه في كتيب متابعة الأنشطة ولا يسمح له بدخول
المادة (12): مدة الدراسة في الدبلوم والماجستير الجزء الأول قبل إستيفاء ثلاثة أرباع المطلوب منه في كل جزء من البرنامج.

المادة (13): يقوم الدارس لدرجة الماجستير بتسجيل موضوع الرسالة على شكل بحث نظري أو عملي بعد إستيفاء فصل دراسي واحد على الأقل. ويجب أن يناقش رسالته بعد ستة شهور من التسجيل على الأقل على أن يكون قد نجح في مقررات الجزء الأول بالكامل وقبل دخول إمتحان الجزء الثاني ولا يخصص لها درجات 0.

المادة (14): يقوم دارس الماجستير بإستيفاء متطلبات الجامعة قبل تسجيل الرسالة ومتطلبات الكلية قبل دخول إمتحان الجزء الثاني. ومتطلبات الجامعة هي الحصول على شهادة التوقيف في اللغة الإنجليزية بمجموع 450 درجة على الأقل. ومتطلبات الكلية هي حضور دورات معتمدة من لجنة الدراسات العليا بالكلية في مجالات البحث العلمي والإحصاء الطبي أو بإجتياز اختبارات خاصة تحددها اللجنة.

المادة (15): يجوز للحاصلين على درجة الدبلوم استكمال درجة الماجستير بتسجيل رسالة الماجستير خلال أربع سنوات من الحصول على درجة الدبلوم وبحصول على الدرجة بعد إستيفاء متطلبات الجامعة والكلية ومناقشة الرسالة بنجاح.

المادة (16): الساعات المعتمدة لدراسة الدبلوم والماجستير ثلاثة ثمانية ساعة معتمدة على الأقل يخصص منها ست ساعات لكتيب متابعة الأنشطة وتشمل ست ساعات على الأقل للجزء الأول وثمانية عشرة ساعة على الأقل للجزء الثاني وضفيها إليها ست ساعات للرسالة في الماجستير.

المادة (22): مدة القدم للدرجة الماجستير أربع سنوات.

المادة (24): مجموع درجات الامتحان النهائي للماجستير 1200 درجة منها 300 درجة للجزء الأول. ويضاف إليها المعدل الفعلي التراكمي بما يوازي 300 درجة للماجستير.

المادة (25): يعد إمتحان الدور الأول في أكتوبر ونوفمبر من كل عام ويعد إمتحان الدور الثاني في أبريل ومايو من كل عام.

المادة (26): يكون النجاح في كل مادة من الدبلوم العالي والماجستير بعد الحصول على 60% من الدرجة الكلية لكل لجان المادة مجتمعة على أن لا يقل التحرييري عن 50% ويكون النجاح في مواد الدكتوراه بعد الحصول على 60% من درجة التحرييري والعملي والأكليبيكي والشيوي كل على حدة.

المادة (29): في حالة إستيفاذ مدة القد يسمح للطالب الدراسات العليا إعادة التسجيل مرة أخرى ولا يعد بالنجاح في الجزء الأول أو الرسالة ويجب إعادتهما.
## Assessment Schedule and Weighing of Assessments

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<thead>
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<th>Marks</th>
<th>Papers</th>
<th>Written</th>
<th>Practical</th>
<th>Clinical</th>
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<td>720</td>
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### Marking Scale:

- **A**\(^\text{+}\) 4\% of the total marks: 3.67
- **A**\(^\text{-}\) 8\% of the total marks: 3.33
- **B**\(^\text{+}\) 25\% of the total marks: 2.67
- **B**\(^\text{-}\) 65\% of the total marks: 1.67
- **C**\(^\text{+}\) 99\% of the total marks: 1.00
- **C**\(^\text{-}\) 80\% of the total marks: 4.00
- **D**\(^\text{+}\) 75\% of the total marks: 3.62
- **D**\(^\text{-}\) 65\% of the total marks: 3.00
- **E**\(^\text{+}\) 99\% of the total marks: 3.89
- **E**\(^\text{-}\) 85\% of the total marks: 2.62
- **F**\(^\text{+}\) 99\% of the total marks: 3.00
- **F**\(^\text{-}\) 85\% of the total marks: 2.00
- **G**\(^\text{+}\) 99\% of the total marks: 1.67
- **G**\(^\text{-}\) 85\% of the total marks: 1.00

By definition, these are the maximum marks attainable in the final examination, which is 1200 marks. The first and second semesters, totaling 1200 marks. Additionally, the final examination for the degree is 1500 marks. The student must obtain at least 300 marks out of 1200 in each semester. The student must also achieve at least 300 marks out of 1500 in the final examination. The minimum number of marks required to achieve the final degree is 1200 marks. The student must also achieve at least 65\% in the final examination. The student must achieve at least 90\% in the first and second semesters. The student must achieve at least 95\% in the final examination.

The student must achieve at least 65\% in the first and second semesters. The student must achieve at least 90\% in the final examination. The student must achieve at least 95\% in the final examination.

The student must achieve at least 65\% in the first and second semesters. The student must achieve at least 90\% in the final examination.

The student must achieve at least 95\% in the final examination.

The student must achieve at least 65\% in the first and second semesters. The student must achieve at least 90\% in the final examination. The student must achieve at least 95\% in the final examination.

The student must achieve at least 65\% in the first and second semesters. The student must achieve at least 90\% in the final examination. The student must achieve at least 95\% in the final examination.
Appendices:
Course (1): Introductory course in primary health care, family and community medicine.
Code: CEO 6401
University: Ain Shams         Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major
Department offering the course: Community, Environmental and Occupational Medicine
Academic Level: Diploma – 1st semester
Date of specification approval: ……………………………..

A- Basic Information
Title: Introductory course in primary health care, family and community medicine.
Code: CEO 6401
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 0.5)
Coordinator: Community, Environmental and Occupational Medicine Department

B - Professional Information

1- Course Aim:
To enable the diploma candidate to understand and apply the concept and elements of primary care and to recognize the comprehensive holistic approach of primary care as applied on family medicine.

2- Intended Learning Outcomes (ILOs) from the Course:

2a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A1. Identify the concept of PHC and how it relates to basic health services
   A2. Describe pattern of promotive, preventive, curative and rehabilitative care
   A3. List different roles of family physician concerning the comprehensive holistic approach to health problems management.

2b- Intellectual skills
By the end of the course the candidate will be able to:
   B1. Comprehend and apply the comprehensive and holistic approach of PHC
   B2. Identify the roles of other sectors than health in contribution to health
2c- Professional skills
By the end of the course the candidate will be able to:
   C1. Solve problems in cooperation with other sectors than health
   C2. Comprehend, appreciate and ensure the role of different members in the health team.
   C3. Conduct different activities related to PHC delivery

2d- General and transferable skills
By the end of the course the candidate will be able to:
   D1. Work effectively in a group from different backgrounds.
   D2. Respects the role of staff and co-staff members regardless of degree or occupation.
   D3. Communicate effectively with professional statisticians and the wider medical community, including the ability to present results of statistical analyses through written and oral presentations
   D4. Learn independently with open-mindedness and critical enquiry.

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>P</th>
<th>SDL</th>
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</thead>
<tbody>
<tr>
<td>Primary Health Care: Definition, principles and elements</td>
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<td>Services provided through PHC</td>
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<td>Basic Benefit Package</td>
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<td>Human life cycles, stages and health needs</td>
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<td>Primary health care and family practice approach</td>
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<td>Family health record</td>
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T: Tutorial and P: Practical and SDL: Self directed learning

4 - Student Assessment Methods
- Continuous Assessment (Tasks Assignment)
- Written assessment
- Problem solving assessment

5 - List of References

5.1- Course Notes (paper and / or electronic)
5.2- Essential Books (Text Books)
5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (2): Health Care Management  
Code: CEO 6402  
University: Ain Shams  
Faculty: Medicine

Course specifications  
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major  
Department offering the program:  
Community, Environmental and Occupational Medicine  
Department offering the course:  
Community, Environmental and Occupational Medicine  
Academic Level: First semester  
Date of specification approval: ……………………………

A- Basic Information  
Title: Heath Care Management  
Code: CEO 6402  
Credit Hours: 1 hour (Tutorial: 0.5, Practical:0.5)  
Coordinator:

B - Professional Information

1- Course Aims: Orient the students to the principles of health administration and the health programs available in Egypt.

By the end of the course the candidate will be able to:  
- Understand the concepts and principles of administration management.  
- Formulate specific plans for meeting community needs during provision of health care.

2- Intended Learning Outcomes (ILOs) from the Course:  
a- Knowledge and understanding  
By the end of the course the candidate will be able to:  
A1. Identify health policy in Egypt.  
A2. Recognize the health care delivery system in Egypt.  
A3. Recognize the importance of different community health programs.  
A4. Understand the principle of health administration

b- Intellectual skills  
By the end of the course the candidate will be able to:  
B1. Apply management function in each community health programs.
B2. Utilize the problem solving techniques in different health care settings.

c- Professional skills
By the end of the course the candidate will be able to:
C1. Participate with the health team to develop policies and guidelines to improve health care.
C2. Implement one of the steps of management skills in one chosen health project effectively.

d- General and transferable skills
By the end of the course the candidate will be able to:
D1. Recognize the medical and legal issues in health care administration.
D2. Discover common health problems and needs of individuals, families, and or community in Egypt.
D3. Utilize appropriate interpersonal communication skills effectively
D4. Learn independently with open-mindedness and critical enquiry.

3- Course content:

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<thead>
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<th>C/P</th>
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<td>Health policy in Egypt</td>
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<td>Concepts of health administration</td>
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<td>National health program</td>
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<td>Introduction to hospitals: definition and functions</td>
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<td>Classification of hospitals according to:</td>
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<td>Ownership, type of service, level in regional system, length of patient stay, number of beds (size), teaching status, accreditation status</td>
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<td>Computation of hospitals statistics</td>
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<td>Topic</td>
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<td>Principle of health economic</td>
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<td>Safety of hospital environment</td>
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</table>

*T: Tutorial and C/P: Clinical or Practical and SDL: Self directed learning*

### 4 - Student Assessment Methods

#### Weighing of assessment

- 4.1 written exam
- 4.2 oral exam
- 4.3 practical

### 5 - List of References

#### 5.1- Course Notes (paper and/or electronic)

#### 5.2- Essential Books (Text Books)

#### 5.3- Recommended Books

#### 5.4- Periodicals, Web Sites, etc
Course (3): Counseling and Communication Skills  
**Code:** CEO 6403 and CEO 6404  
**University:** Ain Shams  
**Faculty:** Medicine

**Course specifications**  
**Program on which the course is given:** Master of Sciences in Family Medicine  
**Major or minor element of programs:** Major  
**Department offering the course:** Community, Environmental and Occupational Medicine  
**Academic Level:** Diploma – 1st semester  
**Date of specification approval:** ……………………………

**A- Basic Information**  
**Title:** Counseling and Communication Skills  
**Code:** CEO 6403 and CEO 6404  
**Credit Hours:** 1 hour (Tutorial: 0.5, Practical: 0.5)  
**Coordinator:** Community, Environmental and Occupational Medicine Department

**B - Professional Information**

1- **Course Aim:**  
To teach the master and diploma candidate the role of family physician in medical counseling in different age groups and to be effective counselors to meet family needs. To enable the doctorate candidate to understand the communication process at different levels and categories of individual and group of persons (in health and sickness) and to be able deliver a message successfully and obtain the desired outcomes through a health or medical encounter.

2- **Intended Learning Outcomes (ILOs) from the Course:**

2a- **Knowledge and understanding**  
By the end of the course the candidate will be able to:  
A1. Describe the elements of the counseling process  
A2. Describe the various influences a patient may have when making a treatment decision  
A3. Describe the counseling strategies that can improve a patient’s correct and consistent use of his management plan  
A4. Define the communication Process, its principles and tools  
A5. Describe different personality types including difficult ones  
A6. Recognize the sequence of effective doctor-patient communication  
A7. Identify barriers to communication
A8. Acknowledge protocols for breaking bad news

2b- Intellectual skills
By the end of the course the candidate will be able to:
   B1. Utilize counseling strategies in different situations
   B2. Train other health professionals for proper performance of counselling
   B3. Identify different types of personality
   B4. Recognize the main defects in his communication skills and start to improve it.
   B5. Use skillfully his/her verbal and non verbal communication skills
   B6. Practice effective speaking and listening behavior
   B7. Identify the main barriers for communication during an encounter
   B8. Follow the main sequence of an effective doctor-patient communication
   B9. Follow the main protocols for breaking bad news

2c- Professional skills
By the end of the course the candidate will be able to:
   C1. Master communication , and counseling skills
   C2. Implement counseling skills in one chosen health problem effectively.
   C3. Provide family planning and counseling services.
   C4. Demonstrate appropriate professional values and attitudes with the patient including empathy; trust worthiness; respect for the dignity, privacy.
   C5. Evaluate a counseling scenario regarding positive and negative aspects
   C6. Develop the ability of self learning and improving his/her communication skills
   C7. Transfer successfully his/her experience to junior staffs
   C8. Identify the main defects in his/her colleagues communication skills

2d- General and transferable skills
By the end of the course the candidate will be able to:
   D1. Utilize appropriate interpersonal communication skills effectively
   D2. Learn independently with open-mindedness and critical enquiry.
   D3. Raise and acknowledge the importance of effective communication in health practice (in health and sickness)

3- Course content:

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<th>Topics</th>
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<th>P</th>
<th>SDL</th>
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<tr>
<td>An introduction to medical counseling: definition, theories and approaches</td>
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<tr>
<td>Patients-physicians effective communication:</td>
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<td>Obtaining patient histories, patient counseling, Barriers to communication</td>
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<td>Counseling in different situations (common pediatrics problems, common infectious diseases: TB, HCV, HIV)</td>
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<td>Premarital counseling, Family planning and counseling services, Genetic counseling, Breast feeding counselling</td>
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<td>Smoking cessation/Addiction counseling,</td>
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<td>Counseling in chronic diseases</td>
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<td>Psycho-social counseling for the elderly</td>
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<td>The communication process, elements, types and settings of communication</td>
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<td>Different methods for training on communication</td>
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<td>Different personalities we communicate with</td>
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<td>Barriers for effective communication</td>
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<td>Sequence of an effective doctor-patient encounter</td>
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<td>Listening and speaking behavior</td>
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<td>Improving your communication skills</td>
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<td>Taking the task of breaking bad news</td>
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</table>

*T: Tutorial and P: Practical and SDL: Self directed learning*

### 4 - Student Assessment Methods
- Continuous Assessment (Tasks Assignment): Role Play, Group project, Medical encounters evaluation…etc.
- Written assessment
- Problem solving assessment
- Observational Checklist

### 5 - List of References

5.1- *Course Notes (paper and / or electronic)*

5.2- *Essential Books (Text Books)*

5.3- *Recommended Books*

5.4- *Periodicals, Web Sites, etc*
Course (4): Health Research Methods (Operational and Epidemiological Methods)
Code: CEO 6405
University: Ain Shams  Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major
Department offering the course:
                   Community, Environmental and Occupational Medicine
Academic Level: Diploma – 1st semester
Date of specification approval: ..............................

A - Basic Information
Title: Health Research Methods (Operational and Epidemiological Methods)
Code: CEO 6405
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 0.5)
Coordinator: Community, Environmental and Occupational Medicine

B - Professional Information

1- Course Aims:
To provide students with the appropriate knowledge and skills in various aspects of epidemiology and research methodology, to promote students’ use of theoretical and practical tools needed to initiate research and to provide a framework of evaluative and critical skills that can be used to apply independent scientific judgement

2- Intended Learning Outcomes (ILOs) from the Course:
a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A1. Define epidemiology, screening, surveillance, epidemic
   A2. Describe various types of research methodology
   A3. Indicate proper study designs for various research questions
   A4. Identify steps for investigation of an outbreak
   A5. Understand the epidemiologic triad and its application in different diseases
   A6. Understand the sources of errors and bias in epidemiologic studies and strategies to deal with them

b- Intellectual skills
By the end of the course, the candidate will be able to:
   B1. Choose appropriate designs for epidemiologic studies
B2. Manage computerized epidemiologic data
B3. Carry out appropriate analysis of the epidemiologic data
B4. Interpret the results and measures of association effectively

c- Professional skills
By the end of the course, the candidate will be able to:

C1. Develop detailed protocol for epidemiologic studies
C2. Handle data and presenting results
C3. Write reports and scientific papers

d- General and transferable skills
By the end of the course, the candidate will be able to:

D1. Use computer databases and other computer skills.
D2. Learn independently with open-mindedness and critical enquiry.
D3. Prepare presentation and communication skills
D4. Respect the role of the research ethics committee as assisting role

3- Course content:

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<th>Topics</th>
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<td>- Health and Disease</td>
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<td>- Natural history of Disease</td>
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<td>- Levels of Prevention</td>
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<td>Protocol development</td>
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<td>Measurement of Morbidity and Mortality and Selected indices of Health:</td>
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<td>- Rates, Ratios and Proportions</td>
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<td>- Incidence and Prevalence rates</td>
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<td>- Crude and Specific Rates</td>
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<td>Descriptive epidemiological studies</td>
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<td>Questionnaire design and data collection</td>
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<td>Experimental studies and clinical trials</td>
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<td>Bias and confounding in epidemiological studies</td>
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<td>X</td>
</tr>
<tr>
<td>Develop an informed consent both in English and Arabic languages</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

### 4 - Student Assessment Methods of

4-1 Written, practical and oral exams to assess knowledge and understanding and will concentrate on problem solving questions

### 4-2 Weighing of assessment

- Written exam
- Practical exam
- Oral exam

### 5 -- List of References

5.1- Course Notes (paper and / or electronic): Handouts will be given through the course

5.2- Essential Books (Text Books) Park’s textbook of Preventive and social Medicine

5.3- Recommended Books Textbook of Public Health and Preventive Medicine “Maxcy-Roseneau-Last”

5.4- Periodicals, Web Sites, etc
  - [www.pubmed.com](http://www.pubmed.com)
Course (6): Medical Statistics
Code: CEO 6406
University: Ain Shams Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major
Department offering the course: Community, Environmental and Occupational Medicine
Academic Level: Diploma – 1st semester
Date of specification approval: ...........................................

B - Professional Information
Title: Medical Statistics
Code: CEO 6406
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 0.5)
Coordinator: Community, Environmental and Occupational Medicine

1- Course Aim:

To enable the master of sciences candidate to plan, conduct, analyze and interpret the results of a research in his specific field. This course unit introduces the application of statistical ideas and methodology to medical research.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A1. Define medical statistics and identify uses and importance of medical statistics in medical research
   A2. Define:
      • Types of variables.
      • Descriptive statistics.
      • Presentation and summarization of data.
      • Measures of central tendency and scatter.
      • Principles of probability and probability distributions.
      • Concepts of inferential statistics: confidence interval and hypothesis testing.
      • Different tests of statistical significance.
      • Difference between parametric and nonparametric tests of significance.
      • Correlation and regression
• Concept of statistical modeling using multivariable and multivariate statistical methods.
• Combining evidence from different studies and meta-analysis
• Importance and methods of sampling and how to determinate the suitable sample size.
• Different types of research methodology: observational and intervention studies and the different statistical issues related to the design, conduct, analysis and interpretation of the results of each study type.
• Ethical aspects of medical research including those specifically applied to clinical trials.

**b- Intellectual skills**
By the end of the course the candidate will be able to:
  B1. Interpret correctly the results of statistical analyses and critically evaluate the use of statistics in the medical literature.
  B2. Integrate and evaluate information from a variety of sources.

**c- Professional skills**
By the end of the course the candidate will be able to:
  C1. Select appropriate study designs to address questions of medical relevance
  C2. Select and apply appropriate statistical methods for analyzing data typically encountered in medical applications.
  C3. Use selected software packages for statistical analysis and data management.

**d- General and transferable skills**
By the end of the course the candidate will be able to:
  D1. Work effectively in a group from different backgrounds.
  D2. Respects the role of staff and co-staff members regardless of degree or occupation.
  D3. Communicate effectively with professional statisticians and the wider medical community, including the ability to present results of statistical analyses through written and oral presentations
  D4. Use of computer data bases and other computer skills.
  D5. Handle data appropriately and analyze them through: decision processes, objective criteria, problem definition, project design and evaluation, risk management, teamwork and coordination.
  D6. Learn independently with open-mindedness and critical enquiry.
3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to medical statistics and its uses</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Types of variables and Descriptive statistics</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Graphic presentation of data</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Introduction to probability theory and rules</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Sample and population: sampling distribution of mean and proportion</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Confidence interval of a mean and a proportion</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Confidence interval of a difference between two mean/proportion</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Testing a hypothesis about population mean/proportion</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Testing a hypothesis about the difference between two means/proportion</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Comparing between more than two means-Introduction to factorial analysis</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Cross-tabulation and introduction to categorical data analysis</td>
<td>x</td>
<td>x</td>
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<tr>
<td>Simple correlation and simple regression</td>
<td>x</td>
<td>x</td>
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<tr>
<td>Introduction to multivariable and multivariate analysis</td>
<td>x</td>
<td>x</td>
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<tr>
<td>Study designs: observational studies</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Study designs: Intervention studies: clinical trials</td>
<td>x</td>
<td>x</td>
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<tr>
<td>Study designs: Experimental animal studies</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Study designs: Bias and Confounding</td>
<td>x</td>
<td>x</td>
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<tr>
<td>Sample size estimation for continuous and binary outcome measures.</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Meta-analysis and publication bias.</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>

T: Tutorial and C/P: Clinical or Practical and SDL: Self directed learning

4 - Student Assessment Methods

- Written exam: modified essay, MCQ, Problem solving
- Practical.

5 - List of References

5.1- Course Notes (paper and / or electronic)
Student Notes on Medical Statistics and Research Methods. Prof. Mohsen Abdel Hamid and Dr Moustafa El Houssinie. Department of Community, Environmental and Occupational Medicine.
5.2- *Essential Books (Text Books)*

5.3- *Recommended Books*
Handbook of Epidemiology. Springer 2005

5.4- *Periodicals, Web Sites, etc*
- www.brettscaife.net/statistics/introstat/
- onlinestatbook.com/rvls/
- www. Epidemiolog.net
- http://www.shef.ac.uk/scharr/spss/
Course (7): Evidence-based Medicine  
Code: CEO 6407  
University: Ain Shams  
Faculty: Medicine

Course specifications  
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major  
Department offering the course:  
Community, Environmental and Occupational Medicine  
Academic Level: Diploma – 1st semester  
Date of specification approval: ........................................

B - Professional Information  
Title: Evidence-based Medicine  
Code: CEO 6407  
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 0.5)  
Coordinator:

B - Professional Information

1- Course Aim:

To enable the master of sciences candidate to understand the factors affecting clinical decision, the pyramid of evidence, principles of evidence based medicine, and formulation of a structured questions. This course also will provide the doctorate candidate with the advantages of practicing evidence based health care. The doctorate candidate at the end of this course will evaluate the cycle of evidence based health care.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding  
By the end of the course the candidate will be able to define:
   A1. Pyramid of evidence  
   A2. Principles of evidence based medicine  
   A3. Concepts of POEMs and DOEs  
   A4. criteria for formulation of a structured question.  
   A5. Critical appraisal and presence of evidence.  
   A6. Elements in evaluation of the cycle of evidence based health search
b- Intellectual and Practical skills
By the end of the course the candidate will be able to:
   B1. Identify different types of information databases.
   B2. Recognize the art of integration (Clinical-evidence-research evidence-patient preference)
   B3. Use skillfully his/her evidence based web search.
   B4. Practice the steps for evaluation of evidence based health search
   B5. Practice efficiently the demonstration of evidence based health search.

c- Professional skills
By the end of the course the candidate will be able to:
   C1. Develop the ability of self learning and improving his/her evidence based health care search.
   C2. Transfer successfully his/her experience to junior staffs
   C3. Identify the main defects in his/her colleagues information database search.

d- General and transferable skills
   By the end of the course the candidate will be able to raise and acknowledge the importance of evidence based health care services.

3-Course content

<table>
<thead>
<tr>
<th>Topic</th>
<th>L</th>
<th>P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to evidence based medicine</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Urge of need to evidence based health care</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Factors entering in clinical decision</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Criteria of best evidence based Health practice</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Pyramid of evidence</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>The art of integration (clinical evidence-research evidence-patient preference)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>The need and limitation of evidence based medicine</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Types of information databases</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Principles of EBM</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Concepts of POEMs and DOEs</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Steps of evidence based health care</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Formulation of a structured questions (PICO)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Critical appraisal and validity of evidence</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Advantages of practicing Evidence based health care</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Evaluation of the cycle of evidence based health care search</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
4 - Student Assessment Methods

1. Written exam to assess knowledge and understanding and will concentrate on problem solving questions
2. Practical during an encounter using a checklist

5 - List of References

5.1- Course Notes (paper and / or electronic)

5.2- Essential Books (Text Books)
Evidence based health care workbook. By Anna Donald

5.3- Recommended Books
Evidence based practice in primary care: by Christopher Silagy

5.4- Periodicals, Web Sites, etc
Course (8): Internal Medicine  
Code: CEO 6408  
University: Ain Shams  
Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major  
Department offering the program: Community Medicine  
Department offering the course: Internal Medicine Department  
Academic year / Level .................................................................  
Date of specification approval ..................................................

A - Basic Information
Title: Internal Medicine  
Code: CEO 6408  
Credit Hours: 3 hours (Tutorial: 1.5, Practical: 3)  
Coordinator: .............................................................................

B - Professional Information

1- Course Aims:
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to internal medicine speciality. He should be able also to promote health and screen for common health problems for early diagnosis and treatment.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A1. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care  
   A2. Recall the main lines of management according to the latest available evidence  
   A3. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:
   B1. Integrate information from different sources to reach a definite diagnosis  
   B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
B4. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
   C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
   C2. Admit his level of competency and accept constructive feedback and respond appropriately
   C3. Work effectively in a team accepting principles of collective responsibility.
   C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
   D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
   D2. Use drugs in a rational cost effective manner
   D3. Manage time, resources and workload efficiently
   D4. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diseases of the Cardiovascular System:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>• Rheumatic fever, SBE and valvular diseases of the heart.</td>
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<td>X</td>
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<tr>
<td>• Hypertension and hyperlipidemia</td>
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<tr>
<td>• Ischemic heart diseases</td>
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<tr>
<td>• Arrhythmias</td>
<td></td>
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<tr>
<td>• Others: Congenital, cardiomyopathy, periand myocarditis</td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td>• Cardiac Failure</td>
<td></td>
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<tr>
<td>Diseases of the Respiratory System:</td>
<td></td>
<td>X</td>
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<tr>
<td>Infections: TB and pneumonia</td>
<td></td>
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<tr>
<td>Asthma and COPD</td>
<td></td>
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<tr>
<td>Lung Cancer</td>
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</tr>
</tbody>
</table>
### Pulmonary Embolism
Pulmonary hypertension
Others: Pleural diseases, chronic diseases affecting respiratory system

### Diseases of the GIT and Pancreas:
Gastritis. Peptic ulcer and dyspepsia
Diarrhea and constipation
Dysphagia
Abdominal Pain
Psychogenic disorders (IBD)
Pancreatic disorders
Others: Malignancies, Autoimmune diseases…etc.

### Diseases of the Liver and the Biliary Tract:
Jaundice and DD
Acute hepatitis
Chronic liver diseases and Cirrhosis
Gall bladder diseases

### Diseases of the Kidney and the Genito-urinary Tract
Urinary tract Infections
Obstructive Uropathy
Urine Abnormalities (Hematuria, Proteinuria…etc.)
Glomerulonephritis and other renal disorders
Acute and Chronic Renal Failure

### Endocrine and Metabolic Disorders
Diabetes Mellitus
Thyroid Gland Dysfunction
Obesity
Other endocrinial disorders…etc.

### Blood Diseases:
Anemia
Diseases of WBCs (Leukemias and Lymphomas)
Bleeding and Thrombosis disorders

### Diseases of the Connective Tissues, Joints and Bones:
Rheumatoid Arthritis, SLE…etc.
Metabolic Bone Diseases
Osteoporosis and Malacia, Gout…etc.

### Diseases of the Nervous System:
| **Climatic disorders:** Heat and Cold injuries | X | X | X |
| **Infectious diseases:** | X | X | X |
| Common viral, bacterial, protozoal and helminthic diseases | X | X | X |

| **Geriatric medicine:** | X | X | X |
| Dementia and Intellectual impairment | X | X | X |
| Falls | X | X | X |
| Parkinson and tremours | X | X | X |
| Others: nutritional problems, incontinence, …etc. | X | X | X |

*L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning*

### 4 - Student Assessment Methods

4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.

4.2 Final Assessment:
- Clinical exam:
- Oral Exam:
- Observational Checklist:
- Written Exam (MCQ and problem solving):

### 5 -- List of References

5.1- Course Notes (paper and / or electronic)
- Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
A- Basic Information
Title: Paediatrics
Code: CEO 6409
Credit Hours: 2.5 hours (Tutorial: 1, Practical: 3)
Coordinator: .................................................................

B - Professional Information

1- Course Aims:
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to infancy and childhood. He should be able also to promote health and screen for common health problems for early diagnosis and treatment.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A4. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care
   A5. Recall the main lines of management according to the latest available evidence
   A6. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:
   B5. Integrate information from different sources to reach a definite diagnosis
   B6. Use evidence based medicine in patient's management decision making
B7. Select the appropriate investigation evidence based and in a cost effective manner
B8. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
C5. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
C6. Admit his level of competency and accept constructive feedback and respond appropriately
C7. Work effectively in a team accepting principles of collective responsibility.
C8. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
D5. Work effectively and efficiently in a team accepting principles of collective responsibility.
D6. Use drugs in a rational cost effective manner
D7. Manage time, resources and workload efficiently
D8. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growth and development</td>
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<tr>
<td>Assessment of growth and development</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Underweight and failure to thrive</td>
<td>X</td>
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<td>X</td>
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<tr>
<td>Nutrition and infant feeding</td>
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<tr>
<td>Breast feeding</td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td>Artificial feeding</td>
<td>X</td>
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<td>X</td>
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<tr>
<td>Nutritional disorders</td>
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<tr>
<td>Rickets</td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td>Vitamin A deficiency</td>
<td>X</td>
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<td>X</td>
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<td>Protein energy malnutrition</td>
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<tr>
<td>Immunization</td>
<td>X</td>
<td></td>
<td>X</td>
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<tr>
<td>Neonatology</td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td>Neonatal jaundice</td>
<td>X</td>
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<td>X</td>
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<tr>
<td>Full term normal newborn</td>
<td>Care of normal newborn</td>
<td>Neonatal colic</td>
<td>Neonatal respiratory distress</td>
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<tr>
<td><strong>Respiratory Problems</strong></td>
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<td></td>
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<tr>
<td>Common cold and cough</td>
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<tr>
<td>Wheezy chest</td>
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<td></td>
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<tr>
<td>Respiratory distress</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>GIT diseases</strong></td>
<td></td>
<td></td>
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<tr>
<td>Gastroenteritis</td>
<td>X</td>
<td>X</td>
<td></td>
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<tr>
<td>GERD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Constipation</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Skin rashes and fever</td>
<td>X</td>
<td>X</td>
<td></td>
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<tr>
<td>Meningitis and convulsions</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Urinary tract infections</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Nocturnal enuresis</td>
<td></td>
<td></td>
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<tr>
<td>Others: Mental retardation (Down syndrome and CP), type 1 diabetes…etc.</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

*L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning*

### 4 - Student Assessment Methods

4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.

4.2 Final Assessment:
- Clinical exam:
- Oral Exam:
- Observational Checklist:
- Written Exam (MCQ and problem solving):

### 5 -- List of References

5.1- Course Notes (paper and / or electronic)
- Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (10): Obstetrics and Gynaecology
Code: CEO 6410
University: Ain Shams Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major.
Department offering the program: Community Medicine
Department offering the course: Obstetrics and Gynecology Department
Academic year / Level .................................................................
Date of specification approval ....................................................... 

A- Basic Information
Title: Obstetrics and Gynaecology
Code: CEO 6410
Credit Hours: 2 hours (Tutorial: 1, Practical: 2)
Coordinator: ..............................................................

B - Professional Information

1- Course Aims:
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to woman health. He should be able also to promote health and screen for common health problems for early diagnosis and treatment.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A1. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care
   A2. Recall the main lines of management according to the latest available evidence
   A3. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:
   B1. Integrate information from different sources to reach a definite diagnosis
   B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
B4. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
C2. Admit his level of competency and accept constructive feedback and respond appropriately
C3. Work effectively in a team accepting principles of collective responsibility.
C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
D2. Use drugs in a rational cost effective manner
D3. Manage time, resources and workload efficiently
D4. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physiology of the menstrual cycle</strong></td>
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<tr>
<td>Puberty</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Hyperprolactenemia and galactorrhea</td>
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<tr>
<td>Hirsutism</td>
<td></td>
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<tr>
<td>Urinary Incontinence</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Genital Prolapse</td>
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<tr>
<td>Menopause</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Infertility and Amenorrhea</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Abnormal genital bleeding</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Dysmenorrhea</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Premenstrual tension syndrome</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>STDs</strong></td>
<td></td>
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<tr>
<td>Genital Infections</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Vaginal Discharge</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Bartholin Cyst</strong></td>
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<tr>
<td><strong>Contraception</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Tumours</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Others: .......</strong></td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Normal Pregnancy</strong></td>
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<tr>
<td>Antenatal Care</td>
<td></td>
<td></td>
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<tr>
<td>Drugs and pregnancy</td>
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<tr>
<td>Vaccination and pregnancy</td>
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<tr>
<td>Malpresentation</td>
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<tr>
<td>IUGR</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Still Birth</td>
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<tr>
<td>Rh incompatibility</td>
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<tr>
<td>Contracted Pelvis</td>
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<tr>
<td>High risk pregnancy</td>
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<tr>
<td>Bleeding in early pregnancy</td>
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<tr>
<td>Antepartum hemorrhage</td>
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<tr>
<td><strong>Medical disorders in pregnancy</strong></td>
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<tr>
<td>Hypertension, pre-eclampsia, eclampsia</td>
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<tr>
<td>Diabetes mellitus</td>
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<td>Thyrotoxicosis</td>
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<tr>
<td>Cardiac diseases</td>
<td>X</td>
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<tr>
<td>Pyelitis and pyelonephritis</td>
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<tr>
<td>Asymptomatic bacteriurea of pregnancy</td>
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<tr>
<td>Anemia</td>
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<tr>
<td>Bronchial asthma</td>
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<tr>
<td>Hepatitis</td>
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<tr>
<td><strong>Normal Labour</strong></td>
<td></td>
<td></td>
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<tr>
<td>Abnormal uterine contractions</td>
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<tr>
<td>Birth canal injuries</td>
<td></td>
<td></td>
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<tr>
<td>Obstetric procedures</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Preterm</td>
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<td></td>
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<tr>
<td>PROM</td>
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<tr>
<td>Complications of the third stage</td>
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<tr>
<td><strong>Post-natal care</strong></td>
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<tr>
<td>Puerperium</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Puerpural sepsis</td>
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</tbody>
</table>

*L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning*

**4 - Student Assessment Methods**

4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
   Clinical exam:
   Oral Exam:
   Observational Checklist:
   Written Exam (MCQ and problem solving):

5 -- List of References
5.1- Course Notes (paper and / or electronic)
    Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (11): General Surgery
Code: CEO 6411
University: Ain Shams Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major.
Department offering the program: Community Medicine
Department offering the course: General Surgery Department
Academic year / Level .................................................................
Date of specification approval ..................................................

A- Basic Information
Title: General Surgery
Code: CEO 6411
Credit Hours: 1 hours (Tutorial: 0.5, Practical: 1)
Coordinator: .................................................................

B - Professional Information

1- Course Aims:
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems necessitating primary surgical procedures, and to refer cases in need of higher level of care.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
A4. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care
A5. Recall the main lines of management according to the latest available evidence
A6. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:
B5. Integrate information from different sources to reach a definite diagnosis
B6. Use evidence based medicine in patient's management decision making
B7. Select the appropriate investigation evidence based and in a cost effective manner
B8. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
C5. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
C6. Admit his level of competency and accept constructive feedback and respond appropriately
C7. Work effectively in a team accepting principles of collective responsibility.
C8. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
D5. Work effectively and efficiently in a team accepting principles of collective responsibility.
D6. Use drugs in a rational cost effective manner
D7. Manage time, resources and workload efficiently
D8. Ensure continuity of care through proper utilization of medical recods

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hernia</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Breast diseases</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Thyroid gland</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Congenital anomalies</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Skin lesions, lymphadenopathy, salivary gland diseases</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>GIT and accessories (gall bladder, pancreas…etc.)</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Kidney and urinary bladder (renal stones)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Vascular surgery (varicose veins, DVT, Periheral ischemia)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

4 - Student Assessment Methods
4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
Clinical exam:
Oral Exam:
Observational Checklist:
Written Exam (MCQ and problem solving):

5 -- List of References
5.1- Course Notes (paper and / or electronic)
   Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (12): Emergency Care
Code: CEO 6412
University: Ain Shams   Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major.
Department offering the program: Community Medicine
Department offering the course: Internal Medicine/General Surgery Department
Academic year / Level ..............................................................
Date of specification approval .................................................

A- Basic Information
Title: Emergency Care
Code: CEO 6412
Credit Hours: 1 hours (Tutorial: 0.5, Practical: 1)
Coordinator: .................................................................

B - Professional Information

1- Course Aims:
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common urgent health problems either or not necessitating primary surgical procedures, and to refer cases in need of higher level of care.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A7. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care
   A8. Recall the main lines of management according to the latest available evidence
   A9. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:
   B9. Integrate information from different sources to reach a definite diagnosis
   B10. Use evidence based medicine in patient's management decision making
B11. Select the appropriate investigation evidence based and in a cost effective manner
B12. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
C9. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
C10. Admit his level of competency and accept constructive feedback and respond appropriately
C11. Work effectively in a team accepting principles of collective responsibility.
C12. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
D9. Work effectively and efficiently in a team accepting principles of collective responsibility.
D10. Use drugs in a rational cost effective manner
D11. Manage time, resources and workload efficiently
D12. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute abdominal pain</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Acute chest pain</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Hematemesis</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Status asthmaticus</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Stridor and chocking</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Shock, coma, cardiac arrest</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Poisoning and corrosives swallowing</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Acute testis and urine retention</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Burns</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Abdominal trauma</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Thoracic injuries (Hemothorax and pneumothorax)</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Nerve injuries (radial, median, ulnar, sciatic)</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Fracture (skull, spine, bones)</td>
<td>X</td>
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</tr>
</tbody>
</table>
Others: carpal tunnel, frozen shoulder, knee injuries, overuse injuries…etc.

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

4 - Student Assessment Methods
4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
   - Clinical exam:
   - Oral Exam:
   - Observational Checklist:
   - Written Exam (MCQ and problem solving):

5 -- List of References
5.1- Course Notes (paper and / or electronic)
   Handouts of the course
5.2- Essential Books (Text Books)

    5.3- Recommended Books

    5.4- Periodicals, Web Sites, etc
Course (13): Ophthalmology  
Code: CEO 6413  
University: Ain Shams  
Faculty: Medicine

Course specifications  
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major  
Department offering the program: Community Medicine  
Department offering the course: Ophthalmology Department  
Academic year / Level .................................................  
Date of specification approval ........................................

A- Basic Information  
Title: Ophthalmology  
Code: CEO 6413  
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 1)  
Coordinator: .............................................................

B - Professional Information

1- Course Aims:  
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to eye. He should be able also to promote health and screen for common eye health problems for early diagnosis and treatment.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding  
By the end of the course the candidate will be able to:  
  A1. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care  
  A2. Recall the main lines of management according to the latest available evidence  
  A3. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills  
By the end of the course the candidate will be able to:  
  B1. Integrate information from different sources to reach a definite diagnosis  
  B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
B4. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
  C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
  C2. Admit his level of competency and accept constructive feedback and respond appropriately
  C3. Work effectively in a team accepting principles of collective responsibility.
  C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
  D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
  D2. Use drugs in a rational cost effective manner
  D3. Manage time, resources and workload efficiently
  D4. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
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</thead>
<tbody>
<tr>
<td><strong>Eye Infections</strong></td>
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</tr>
<tr>
<td>Bacterial</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Viral</td>
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<tr>
<td>Ophthalmia neonatorum</td>
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<tr>
<td><strong>Eye Allergy</strong></td>
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<tr>
<td>Allergic conjunctivitis</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Vernal Conjunctivitis (Spring catarrh)</td>
<td>X</td>
<td>X</td>
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<tr>
<td><strong>Eye trauma</strong></td>
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<tr>
<td>Foreign body</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Subconjunctival hemorrhage and ecchymosis</td>
<td></td>
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<tr>
<td>Chemical burns</td>
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<tr>
<td><strong>Red Eye</strong></td>
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<tr>
<td>Conjunctivitis</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Keratitis</td>
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<tr>
<td>Episcleritis</td>
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<tr>
<td>Scleritis</td>
<td>Anterior uveitis</td>
<td>Acute angle glaucoma</td>
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<tr>
<td><strong>Selected disorders</strong></td>
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<tr>
<td>Eyelids (Blepharitis, Chalazion, dermatitis)</td>
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<td>Conjunctiva (Pterygium)</td>
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<td>Lacrimal system (Epiphora, Dry eye, dacrocystitis)</td>
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<td>Lens (cataract)</td>
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<td>Glaucoma</td>
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<tr>
<td>Ocular motility (strabismus, amblyopia)</td>
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<tr>
<td>Optical defects (refractive disorders, accommodation loss, presbyopia)</td>
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<tr>
<td>Causes of visual impairment</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Ophthalmologic manifestations of systemic diseases</td>
<td>X</td>
<td>X</td>
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</tbody>
</table>

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

### 4 - Student Assessment Methods

4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.

4.2 Final Assessment:
   - Clinical exam:
   - Oral Exam:
   - Observational Checklist:
   - Written Exam (MCQ and problem solving):

### 5 -- List of References

5.1- Course Notes (paper and / or electronic)
   Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (14): Ear, Nose and Throat
Code: CEO 6414
University: Ain Shams  Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine
Major or minor element of programs: Major.
Department offering the program: Community Medicine
Department offering the course: Ear, Nose and Throat Department
Academic year / Level .................................................................
Date of specification approval ..................................................

A- Basic Information
Title: Ear, Nose and Throat
Code: CEO 6414
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 0.5)
Coordinator: .................................................................

B - Professional Information

1- Course Aims:
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to ear, nose and throat. He should be able also to promote health and screen for common ear, nose and throat health problems for early diagnosis and treatment.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:
   A1. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care
   A2. Recall the main lines of management according to the latest available evidence
   A3. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:
   B1. Integrate information from different sources to reach a definite diagnosis
   B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
B4. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
  C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
  C2. Admit his level of competency and accept constructive feedback and respond appropriately
  C3. Work effectively in a team accepting principles of collective responsibility.
  C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care
d- General and transferable skills
By the end of the course the candidate will be able to:
  D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
  D2. Use drugs in a rational cost effective manner
  D3. Manage time, resources and workload efficiently
  D4. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ear diseases</td>
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<tr>
<td>Otitis externa</td>
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<tr>
<td>Cerum impaction</td>
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<tr>
<td>Otitis media (acute, chronic, suppurative, non-suppurative)</td>
<td></td>
<td>X</td>
<td>X</td>
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<tr>
<td>Facial palsy</td>
<td></td>
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<tr>
<td>Otalgia</td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Vertigo</td>
<td></td>
<td>X</td>
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<tr>
<td>Hearing loss (conductive, sensorineural, presbycusis)</td>
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<tr>
<td>Tinnitus</td>
<td>X</td>
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<tr>
<td>Nasal problems</td>
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<tr>
<td>Sinusitis</td>
<td>X</td>
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<tr>
<td>Allergic rhinitis</td>
<td></td>
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<tr>
<td>Nasal obstruction</td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Laryngeal diseases</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Laryngitis</td>
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<tr>
<td>Hoarsness of voice</td>
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<tr>
<td>Cancer larynx</td>
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<tr>
<td>Pharyngeal diseases</td>
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<tr>
<td>Tonsilitis</td>
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<tr>
<td>Adenoids</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Oropharyngeal ulcers</td>
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<tr>
<td>Cnoring and sleep apnea</td>
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</tbody>
</table>

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

4 - Student Assessment Methods
4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
   Clinical exam:
   Oral Exam:
   Observational Checklist:
   Written Exam (MCQ and problem solving):

5 -- List of References
5.1- Course Notes (paper and / or electronic)
   Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (15): Dermatology  
Code: CEO 6415  
University: Ain Shams  Faculty: Medicine  

Course specifications  
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major.  
Department offering the program: Community Medicine  
Department offering the course: Dermatology Department  
Academic year / Level ...............................................................  
Date of specification approval .....................................................  

A- Basic Information  
Title: Dermatology  
Code: CEO 6415  
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 1)  
Coordinator: .................................................................  

B - Professional Information  

1- Course Aims:  
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to skin and appendages. He should be able also to promote health and screen for common skin health problems for early diagnosis and treatment.  

2- Intended Learning Outcomes (ILOs) from the Course:  

a- Knowledge and understanding  
By the end of the course the candidate will be able to:  
   A4. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care  
   A5. Recall the main lines of management according to the latest available evidence  
   A6. Describe different preventive strategies for common health problems in the Egyptian community  

b- Intellectual skills  
By the end of the course the candidate will be able to:  
   B5. Integrate information from different sources to reach a definite diagnosis  
   B6. Use evidence based medicine in patient's management decision making  

58
B7. Select the appropriate investigation evidence based and in a cost effective manner
B8. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
   C5. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
   C6. Admit his level of competency and accept constructive feedback and respond appropriately
   C7. Work effectively in a team accepting principles of collective responsibility.
   C8. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
   D5. Work effectively and efficiently in a team accepting principles of collective responsibility.
   D6. Use drugs in a rational cost effective manner
   D7. Manage time, resources and workload efficiently
   D8. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
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<tbody>
<tr>
<td><strong>Fungal skin diseases</strong></td>
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<tr>
<td>Tinea capitis</td>
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<td>X</td>
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<tr>
<td>Tinea circinata</td>
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<tr>
<td>Tinea cruris</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Tinea pedis</td>
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<tr>
<td>Tinea unguium</td>
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<tr>
<td>Pitryasis versicolor</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Candidiasis</td>
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<tr>
<td><strong>Viral skin diseases</strong></td>
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<tr>
<td>Herpes simplex</td>
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<td>X</td>
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<tr>
<td>Herpes zoster</td>
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<tr>
<td>Warts</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Molluscum contagiosum</td>
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<tr>
<td><strong>Bacterial skin diseases</strong></td>
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<tr>
<td>Impetigo</td>
<td>X</td>
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</table>
Folliculitis
Furunculosis
Erysipelas
Intertrigo

**Parasitic skin infection**
Scabies
Pediculosis

**Erythematous squamous disorders**
Psoriasis
Pityriasis rosea

**Allergic skin disorders**

**Disorders of skin appendages**
Acne vulgaris
Sweat rash
Alopecia

**Skin manifestations of systemic diseases**

**Others**

<table>
<thead>
<tr>
<th></th>
<th>L</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
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<tbody>
<tr>
<td>Folliculitis</td>
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<tr>
<td>Furunculosis</td>
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<tr>
<td>Erysipelas</td>
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<tr>
<td>Intertrigo</td>
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<tr>
<td>Scabies</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Pediculosis</td>
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<tr>
<td>Psoriasis</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Pityriasis rosea</td>
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<tr>
<td>Allergic skin disorders</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Acne vulgaris</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Sweat rash</td>
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<tr>
<td>Alopecia</td>
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</tr>
<tr>
<td>Skin manifestations of systemic diseases</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>X</td>
<td>X</td>
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<td></td>
</tr>
</tbody>
</table>

*L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning*

4 - **Student Assessment Methods**
4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
   Clinical exam:
   Oral Exam:
   Observational Checklist:
   Written Exam (MCQ and problem solving):

5 -- **List of References**
5.1- Course Notes (paper and / or electronic)
    Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (16): Clinical Pathology and Radiodiagnosis  
Code: CEO 6416  
University: Ain Shams  Faculty: Medicine

Course specifications  
Program on which the course is given: Diploma in Family Medicine  
Major or minor element of programs: Major.  
Department offering the program: Community Medicine  
Department offering the course: Clinical Pathology and Radiodiagnosis Department  
Academic year / Level .................................................................  
Date of specification approval ....................................................

A- Basic Information  
Title: Clinical Pathology and Radiodiagnosis  
Code: CEO 6416  
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 1)  
Coordinator: .................................................................

B - Professional Information

1- Course Aims:  
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems on a valid, reliable and cost effective laboratory and radiological base. He should be able to select and read the appropriate investigative procedure whether laboratory or radiological.

2- Intended Learning Outcomes (ILOs) from the Course:  
a- Knowledge and understanding  
By the end of the course the candidate will be able to:  
A1. Recognize the different investigative procedures related to common health problems  
A2. Recall the different screening laboratory and radiological tools  
A3. Describe hazards of exposures to different radiological modalities

b- Intellectual skills  
By the end of the course the candidate will be able to:  
B1. Integrate information from different investigative sources to reach a definite diagnosis  
B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
B4. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
  C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
  C2. Admit his level of competency and accept constructive feedback and respond appropriately
  C3. Work effectively in a team accepting principles of collective responsibility.
  C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
  D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
  D2. Use drugs in a rational cost effective manner
  D3. Manage time, resources and workload efficiently
  D4. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic principles of diagnostic tests use and interpretation</td>
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<tr>
<td>Laboratory procedures in the clinical settings</td>
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<tr>
<td>Common laboratory tests: selection and interpretation</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Therapeutic drug monitoring: Principles and interpretation</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Micorbiology test selection</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Diagnostic imaging: test selection and interpretation</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Basic electrocardiography</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Diagnostic testing: Algorithms, Nomograms, and Tables</td>
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<td>X</td>
</tr>
</tbody>
</table>

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning
4 - Student Assessment Methods
4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
   Clinical exam:
   Oral Exam:
   Observational Checklist:
   Written Exam (MCQ and problem solving):

5 -- List of References
5.1- Course Notes (paper and / or electronic)
   Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (17): Neuropsychiatry  
Code: CEO 6417  
University: Ain Shams  Faculty: Medicine  

Course specifications  
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major.  
Department offering the program: Community Medicine  
Department offering the course: Neuropsychiatry Department  
Academic year / Level .................................................................  
Date of specification approval ..................................................  

A- Basic Information  
Title: Neuropsychiatry  
Code: CEO 6417  
Credit Hours: 1 hour (Tutorial: 0.5, Practical: 1)  
Coordinator: .................................................................  

B- Professional Information  

1- Course Aims:  
By the end of the course, candidate of family medicine master of sciences should  
be able to diagnose and manage common health problems related to nervous  
system. He should be able also to promote health and screen for common  
neurological and psychological health problems for early diagnosis and treatment.  

2- Intended Learning Outcomes (ILOs) from the Course:  
a- Knowledge and understanding  
By the end of the course the candidate will be able to:  
A1. Recognize the etiology, clinical manifestations of important and common  
health conditions presented to the primary health care  
A2. Recall the main lines of management according to the latest available  
evidence  
A3. Describe different preventive strategies for common health problems in the  
Egyptian community  

b- Intellectual skills  
By the end of the course the candidate will be able to:  
B1. Integrate information from different sources to reach a definite diagnosis  
B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
B4. Perform screening appropriately tailored to each member whenever available

c- Professional skills
By the end of the course the candidate will be able to:
   C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
   C2. Admit his level of competency and accept constructive feedback and respond appropriately
   C3. Work effectively in a team accepting principles of collective responsibility.
   C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
   D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
   D2. Use drugs in a rational cost effective manner
   D3. Manage time, resources and workload efficiently
   D4. Ensure continuity of care through proper utilization of medical recods

3- Course content:

<table>
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<th>Topics</th>
<th>T</th>
<th>C/P</th>
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<tbody>
<tr>
<td>Depression (post-partum, elderly depression)</td>
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<tr>
<td>Psychosis</td>
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<tr>
<td><strong>Anxiety disorders</strong></td>
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<td>Generalized Anxiety Disorders</td>
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<td>Phobia</td>
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<td>Panic Attack</td>
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<td><strong>Somatoform disorders</strong></td>
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<tr>
<td>Sleep disorders</td>
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<tr>
<td>Eating disorders</td>
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<tr>
<td>Sexual dysfunction</td>
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<td><strong>Behavior problems in children</strong></td>
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<td>ADHD</td>
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<td>Autism</td>
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<td>Conduct disorders</td>
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<td>Oppositional Defiant disorders</td>
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<td>Drug abuse</td>
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<td>Violence</td>
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<tr>
<td>Others: Schizophrenia…etc.</td>
<td>X</td>
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</tbody>
</table>

*L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning*

**4 - Student Assessment Methods**

4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.

4.2 Final Assessment:
- Clinical exam:
- Oral Exam:
- Observational Checklist:
- Written Exam (MCQ and problem solving):

**5 -- List of References**

5.1- Course Notes (paper and / or electronic)
Handouts of the course
5.2- Essential Books (Text Books)

5.3- Recommended Books

5.4- Periodicals, Web Sites, etc
Course (18): Primary Health Care  
Code: CEO 6418  
University: Ain Shams  
Faculty: Medicine

Course specifications
Program on which the course is given: Master of Sciences in Family Medicine  
Major or minor element of programs: Major.  
Department offering the program: Community Medicine  
Department offering the course: Community Medicine Department, and PHC Supervisor  
Academic year / Level .................................................................  
Date of specification approval ....................................................

A- Basic Information
Title: Primary Health Care  
Code: CEO 6418  
Credit Hours: 1.5 hour (Tutorial: 0.5, Practical: 2)  
Coordinator: .................................................................

B - Professional Information

1- Course Aims:  
By the end of the course, candidate of family medicine master of sciences should be able to diagnose and manage common health problems related to nervous system. He should be able also to promote health and screen for common neurological and psychological health problems for early diagnosis and treatment.

2- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and understanding
By the end of the course the candidate will be able to:  
  A1. Recognize the etiology, clinical manifestations of important and common health conditions presented to the primary health care  
  A2. Recall the main lines of management according to the latest available evidence  
  A3. Describe different preventive strategies for common health problems in the Egyptian community

b- Intellectual skills
By the end of the course the candidate will be able to:  
  B1. Integrate information from different sources to reach a definite diagnosis  
  B2. Use evidence based medicine in patient's management decision making
B3. Select the appropriate investigation evidence based and in a cost effective manner
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c- Professional skills
By the end of the course the candidate will be able to:
   C1. Show appropriate professional attitude with the patient including empathy, trust worthiness, respect for privacy and dignity and rights of the patient
   C2. Admit his level of competency and accept constructive feedback and respond appropriately
   C3. Work effectively in a team accepting principles of collective responsibility.
   C4. Demonstrate holistic approach in case management that ensure comprehensive and continuous provision of care

d- General and transferable skills
By the end of the course the candidate will be able to:
   D1. Work effectively and efficiently in a team accepting principles of collective responsibility.
   D2. Use drugs in a rational cost effective manner
   D3. Manage time, resources and workload efficiently
   D4. Ensure continuity of care through proper utilization of medical records

3- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>T</th>
<th>C/P</th>
<th>SDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Health Care (Growth and Development, IMCI, Referral)</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Adolescent Health care (Premarital care, Behavior problems, Nutritional disorders)</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Adult and Geriatric Health (Common health problems, Screening, Mental and behavioral disorders, Eye problems, Malnutrition, Skin problems, other common health problems)</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Woman Health Care (Pregnancy care, Family Planning, Vaginal discharge, Under nutrition, Referral)</td>
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<tr>
<td>Emergency Care (First Aid, Basic Life Support, Poisonings, Referral)</td>
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</table>
4 - Student Assessment Methods
4.1 Continuous tasks assignments, quizzes, observational checklists, written exam, clinical skills and approach to management.
4.2 Final Assessment:
   Clinical exam:
   Oral Exam:
   Observational Checklist:
   Written Exam (MCQ and problem solving):

5 -- List of References
   5.1- Course Notes (paper and / or electronic)
   Handouts of the course
   5.2- Essential Books (Text Books)
   5.3- Recommended Books
   5.4- Periodicals, Web Sites, etc

N.B. Credit hours in each semester will not exceed 6 credit hours

N.B. There will be end semester evaluation ( 100 marks ) each semester
YOUR LOG BOOK

1- Introduction

The aim of this book is to give you a guide to the expectations for each item. It will be a guide for both you and your teachers to what you should be seeing and doing.

It will give you a list of the important topics that you should think about and should be covered in:

1. Clinical or practical sessions
   or
2. Lectures
   or
3. Self-directed learning (SDL)

For each item there is also a list of

1. Clinical conditions or Practical sessions to be seen or attended (According to each degree)
2. Practical procedures to be seen and done

REMEMBER

This document is only a guide. It is not an exhaustive list. It is not just a checklist to score points. It is a guide to encourage you to read and learn more. This book is for your benefit. It will form a record of your clinical training and experience.

2 - Supervisors

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3–Tables for Training Records

Requirements
Candidates are required to fulfill 75% of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = 75%. You are free to attend more and record your extra attendance.
### WEEKLY DEPARTMENT PLAN

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### Journal club

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### CONFERENCES ATTENDANCE

(NB. Minimum number required is 16)

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**JOURNAL CLUB ATTENDANCE**

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5 - Log book preview

The candidate logbook will be reviewed and patients seen/ skills performed summarized by diagnosis groups during the semester evaluation and at the end of the course in the table below. The results of this review will be totaled in the summary chart below.

Summary

VII - Head Of Department Approval For The Exam Entry

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VIII – Thesis Follow up

التقرير النصف السنوي لعام / التصريح
عن الطالب / عن الطالب
المقيد لدرجة (ماجستير) / بالمقدم
بقسم / بقسم
تقرير السادة الأساتذة المشرفين

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<th>جمع المادة العلمية وكتابة المقدمة</th>
<th>بدأ</th>
<th>أُوقف على الإنتهاء</th>
<th>أُنتهى من الجمع</th>
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**VIII – Thesis Follow up**

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### VIII – Thesis Follow up

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VIII – Evaluation Forms

To be completed at ------------------------------------

**Candidate**
**Supervisor**
**Location**

Aim of training
__________________________________________________________________
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__________________________________________________________________

Agreed educational objectives and timescale in which objectives should be achieved.
__________________________________________________________________
__________________________________________________________________
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Comments by Candidate
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Comments by Supervisor
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*Date of next meeting*

Signed by candidate
Signed by Supervisor
Date
VIII – Evaluation Forms

To be completed at -------------------------------------

Candidate
Supervisor
Location

Aim of training

Agreed educational objectives and timescale in which objectives should be achieved.

Comments by Candidate

Comments by Supervisor

Date of next meeting

Signed by candidate

Signed by Supervisor

Date

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VIII – Evaluation Forms

To be completed at -------------------------------------

**Candidate**
Supervisor
Location

Aim of training

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Agreed educational objectives and timescale in which objectives should be achieved.

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Comments by Candidate

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Comments by Supervisor

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**Date of next meeting**

Signed by candidate
Signed by Supervisor
Date
VIII – Evaluation Forms

To be completed at -------------------------------------

**Candidate**
**Supervisor**
**Location**

Aim of training
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*Date of next meeting*

Signed by candidate

Signed by Supervisor

Date
VIII – Evaluation Forms

To be completed at -------------------------------

**Candidate**
**Supervisor**
**Location**

Aim of training

Aim of training

Aim of training

Agreed educational objectives and timescale in which objectives should be achieved.

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Agreed educational objectives and timescale in which objectives should be achieved.

Comments by Candidate

Comments by Candidate

Comments by Candidate

Comments by Supervisor

Comments by Supervisor

Comments by Supervisor

**Date of next meeting**

Signed by candidate

Signed by Supervisor

Date
Degree Program Evaluation Form
To be completed by the candidate at the end of your degree.

Please consider each pair of statements and decide which most clearly reflects your view and **tick one box or answer the question.**

I. Individual Information
1. Are you a graduate of ASU?
   - yes
   - no
2. Year and semester when studies began:

II. General Questions
1. What are the advantages/disadvantages of the general study environment at the University ASU?

2. What were your expectations when you applied to the degree?

3. Do you feel that the degree program prepares you well for your future studies or employment according to the demands and expectations of those institutions?
   - yes
   - no
   - to some degree

4. Has the time limit of the program (two or three academic years) caused you any difficulties or inconveniences?
   - yes
   - no
   - to some degree

III. Structure of Degree Program
1. Did you receive enough guidance in planning your study schedule in the beginning of the program?
   - yes
   - no
   - to some degree

2. What were the main difficulties in the planning of your study schedule?

3. What is your general opinion on the structure of the degree program?
4. In your opinion, does the degree program offer a good balance of lectures, seminars, conferences, and book exams?
   - yes
   - no
   - to some degree

a) General Studies
i) Do you feel that you have received enough guidance on academic writing?
   - yes
   - no
   - to some degree

ii) Do you feel that you have acquired sufficient knowledge on research skills (e.g., quantitative and qualitative research methods)?
   - yes
   - no
   - to some degree

b) Courses
i) Have you had some special difficulties in completing some of the courses? Please specify.

ii) Has there been a sufficient variety of courses offered for your optional studies?
   - yes
   - no
   - to some degree

iii) Have you received enough guidance for the preparation of your thesis?
   - yes
   - no
   - to some degree

IV. Concluding Points
1. Did the degree program meet your expectations?
   - yes
   - no
   - to some degree

2. What aspects of the degree program do you particularly like?

3. What aspects of the degree program do you particularly dislike?

4. What are your suggestions on how to improve the program?

Thank you!