

توصيف برنامج دبلومة الباطنة العامة (عام 2013-2014)

PROGRAM SPECIFICATION

A. Basic information أ. معلومات أساسية :

١ - اسم البرنامج : diploma of internal medicine

٢ - طبيعة البرنامج : (multiple)

٣-القسم المسئول عن البرنامج: **Internal medicine**

الإقسام المشتركة:

PHYSIOLOGY , BIOCHEMISTRY , PATHOLOGY

PHARMACOLOGY , MICROBIOLOGY, ANATOMY

CLINICAL PATHOLOGY , HISTOLOGY.

٤- تاريخ إقرار البرنامج فى مجلس القسم : 2013/9 / 2

٥- تاريخ إقرار البرنامج فى مجلس الكلية ٣٥٦ بتاريخ: 2013 /9/ 15

٦- مسئول البرنامج ا.د فوزي مجاهد ا.د محمد العسال

٧- المراجع الداخلى: ا.د - عقيل حفنى Banha university Prof Internal medicine

٨- المراجع الخارجى:- prof /Nabeel limon

Prof Internal medicine El Mansoura University

B. Professional information ب. معلومات متخصصة:

١ - الأهداف العامة للبرنامج :

1-Overall Aims of the Program:

The overall aims of the program are:

1.1 Application of knowledge acquired in the internal medicine field.

- 1.2 mastery of the skills and the use of appropriate technological means in the application of internal medicine field
- 1.3 Determination of public internal medicine problems and propose solutions..
- 1.4 Communication and leadership teams.
- 1.5 Decision making in the light of available information during practice of internal medicine.
- 1.6 Awareness of the role of the Internal Medicine practitioner in community development and environmental conservation.
- 1.7 Disposition reflecting the commitment to integrity, credibility accept accountability.
- 1.8 Recognition of the need to develop itself and engage in continuing education, allowing the development of his performance of internal medicine.
- 1.9 Efficiently employ available resources to serve the patient's internal medicine.

٢ - المخرجات التعليمية المستهدفة من البرنامج :

2-Intended Learning Outcomes (ILOS):

٢.أ- المعرفة والفهم :

2.a. Knowledge and Understanding:

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

2.a.1 recognize basic scientific knowledge of chest/ cardiac /neuron/abdomen and embryological anatomy and how to apply their surface anatomy as help in our study of internal medicine

2.a.2 Illustrate the basic knowledge of normal physiological function of different body organs and their abnormalities.

2.a.3 illustrate the basic scientific knowledge microbiology and immunology and their relation to internal medicine

2.a.4 Discuss the medical biochemistry and clinical pathology explain laboratory tests use in internal medicine and their importance in diagnosis .

2.a.5 Illustrate the Bidirectional influence between studying Internal medicine & the effect of this studies on local Egyptian health care system how prevent infectious medical diseases.

2.a.6 Identify the importance of imaging technique ,ECHO ,Chest X rays and other tools in diagnosis of medical diseases.

2.a.7 Identify the basic pharmacological knowledge and line of treatment of different medical diseases

- 2.a.8 Discuss** the basic histological knowledge help in internal medicine disease
- 2.a.9 describe** different studied medical diseases symptoms ,signs epidemiological Features and lines of treatment
- 2.a.10 understand** Principles and the basics of quality in internal medicine application
- 2.a.11 explain** principles of health care planning and how be effective in internal medicine department
- 2.a.12 Identify** principles of diseases surveillance and screening ,disease prevention communicable diseases control health promotion and health need assessment related to internal medicine
- 2.a.13 Describe** Basics and ethics of scientific research. And ethics of communication and being aware by scientific development in internal medicine

٢ . ب - القدرات الذهنية :

2.b. Intellectual skills

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

- 2.b.1 Interpret** the diagnostic modalities as investigations (ECG, Laboratory findings & others) of such sources include text books
- 2.b.2 Interpret** the initial symptoms and signs of the patient and how help the physician in diagnosis .and decision making.
- 2.b.3 Analyze** case scenarios of different medical diseases to reach to proper treatment plans for common medical problems.
- 2.b.4 Determine** the medical problems in the field of internal medicine, try to its solve .
- 2.b.5 make** decisions in the light of available information
- 2.b.6 Evaluate** risk of internal medicine practice ,read analytic research In internal medicine
- 2.b.7 interpret** the basic scientific knowledge in way serving the application of internal medicine in (anatomy physiology/ biochemistry /pathology / clinical pathology /pharmacology /clinical pathology /microbiology).

٢.ج. مهارات مهنية وعملية :

2.c. Practical & professional skills:-

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

2.c.1 Apply the information of clinical practices as clinical sheets including: history taking, general & local, examination of chest /cardio/neuron/abdomen/ locomotors system.

2.c.2 Apply investigational database as electrocardiography principles, principles cardiology, chest and CT brain, e.g. X-ray, CT and CT

2.c.3 Observe & Detect symptoms and signs of the studied disease.

2.c.4 perform simple bed side tests clinical procedures

2.c.5 apply proper medical treatment for various common medical problems

2.c.6 manage different medical emergencies properly

2.c.7. perform common medical technique as commonly used diagnostic namely, pleural fluid, pericardial, abdominal and joint fluid aspiration :take an electrocardiogram tracing and be able to interpret their finding

2.c.8 write report needed in internal medicine field .

2.C.9 Apply the basic clinical data in anatomy, clinical pathology ,microbiology, pathology by what help internal medicine practice

2.d. General and transferable skills:-

٢.د. مهارات عامة :

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

2.d.1 Retrieve, manage, and manipulate information by all means, including electronic means, in a timely manner to effectively participate in medical seminars and conferences. In internal medicine and its related fields

2.d.2 Establish life-long self-learning required for continuous professional development.

2.d.3 respond effectively to patient s emotions and psychological concern .

2.d.4. Work effectively as a member or leader of a health care team or other professional groups (teach others and evaluate their work).

2. D.5.Communicate effectively with physicians, other health professionals, and health related agencies.

2. D.6.Demonstrate compassion, integrity, and respect for all patient's rights and treat all patients equally regardless to their believes, culture and behavior.

3- Academic Standards

٣ - المعايير الأكاديمية للبرنامج:

- a. **Academic Standard of Diploma Program of internal medicine** approved in department June, 2013, and in faculty council 354, 16 / 6, 2013. (ملحق ١)

٤ - المعايير الأكاديمية المرجعية:

المعايير القياسية لبرامج الدراسات العليا (دبلومة) الصادرة عن الهيئة القومية لجودة التعليم والإعتماد (مارس ٢٠٠٩)

Academic standards, which were issued by the National Authority for Quality Assurance, Accreditation and education (NAQAAE). ملحق 2

٥ - هيكل ومكونات البرنامج :

(٤): Curriculum structure and contents:

أ - مدة البرنامج :

- a) **Program duration: 3 semesters (1.5 years)**
+ 1st part: - One Semester (6 months).
+ 2nd part: - Two Semester (1 year).

b) Program structure

ب - هيكل البرنامج

- **Total hours of program:** 34 credit hours
- **Theoretical:** 21.5 credit hours
- **Practical :** 7.5 credit hour
- **Logbook:** 5 hours

ج: مستويات ومقررات البرنامج

| الساعات المعتمدة | الكود | المقررات | البند |
|------------------|----------|--|---------------|
| ٦ ساعات | | University and faculty requirements: | |
| ٨ ساعات | | يشمل الآتى : | الجزء الأول |
| ١,٥ ساعة | INTM 601 | مقرر علمى فى كل من الفسيولوجيا والكيمياء الحيوية | |
| ٠,٥ ساعة | INTM 602 | مقرر علمى فى التشريح والهستولوجيا | |
| ٢ ساعة | INTM 603 | مقرر علمى فى الفارماكولوجيا | |
| ٢ ساعة | INTM 604 | مقرر علمى وعملى فى الباثولوجيا | |
| ١ ساعة | INTM 605 | مقرر علمى وعملى فى البكتريولوجيا | |
| ١ ساعة | INTM 606 | مقرر علمى وعملى فى الباثولوجيا الإكلينيكية والكيميائية | |
| ٥ ساعات | | تسجل بها الأنشطة المختلفة مثل حضور الندوات العلمية والمؤتمرات والدورات التدريبية وإجراء أبحاث إضافية | كراسة الأنشطة |
| ١٥ ساعة | | يشمل الآتى : | الجزء الثانى |
| ٩ ساعات | INTM 607 | مقرر علمى فى الأمراض الباطنة وفروعها | |
| ٦ ساعات | INTM 608 | تدريب أكلينكى وعملى فى الأمراض الباطنة وفروعها والوسائل التشخيصية | |
| ٣٤ ساعة | | | الاجمالى |

First part (24weeks duration/6months)

a- Compulsory courses:

| Course Title | Course code | NO. of hours per week | | | Total hours |
|--------------|-------------|-----------------------|-------------------------------|-------|-------------|
| | | Theoretical lectures | Laboratory/ practical seminar | Total | |
| Physiology | INTM 601 | 1.5 | | 1.5 | 22.5 |

| | | | | | |
|--------------------------------|-------------|-----|-----|-----|------|
| Pathology | INTM 604 | 1 | 1 | 2 | 60 |
| Anatomy | | 0.5 | | 0.5 | 7.5 |
| Pharmacology | INTM 602 | 2 | | 2 | 30 |
| Biochemistry | | 1.5 | | 1.5 | 22.5 |
| Histology | INTM 603 | 0.5 | | 0.5 | 7.5 |
| Clinical pathology | INTM 601 | 1 | | 1 | 15 |
| Bacteriology | INTM 602 | 0.5 | 0.5 | 1 | 30 |
| | INTM 606 | | | | |
| | INTM 605 | | | | |
| Log book activities | | 5 | | | 5 |

b- Elective courses: none

Second part (...72weeks duration/...18..... months)

a- Compulsory courses:

| Course Title | Course Code | NO. of hours per week | | | Total teaching hours weeks |
|------------------------------|-------------|-------------------------|--------------------------------------|-------|-------------------------------|
| | | Theoretical Lectures | Laboratory /practical seminars | Total | |
| Internal medicine | | 9 | 6 | 15 | 1080 |

b- Elective courses: none

٦- محتويات المقررات (راجع توصيف المقررات) مرفق ٦

- كود أو رقم المقرر :
- اسم المقرر :
- المحتويات: (طبقاً لما هو مذكور في اللائحة)

٧ - متطلبات الالتحاق بالبرنامج : (طبقاً لما هو مذكور في اللائحة):

(7): Program admission requirements:

مادة (١٤) : مدة الدراسة لنيل دبلوم التخصص سنة ونصف (ثلاث فصول دراسية) وتكون على قسمين : القسم الأول : فصل دراسي واحد (ستة أشهر) والقسم الثاني : فصلين دراسيين (سنة)

مادة (١٥) : شروط القيد بإحدى دبلومات التخصص

- ١- يشترط في قيد الطالب للدراسة الخاصة بإحدى دبلومات التخصص أن يكون حاصلًا على درجة البكالوريوس في الطب والجراحة من إحدى جامعات ج . م . ع أو على درجة معادلة لها من معهد علمي معروف بع من الجامعة .
- ٢- أن يكون قد أمضى السنة التدريبية أو ما يعادلها .
- ٣- أن يتفرغ للدراسة لمدة سنة على الأقل في الجزء الثاني (فصلين دراسيين) .

٨ - القواعد المنظمة لإستكمال البرنامج : 8- progression in the program

مادة (٦): تتولى لجنة الدراسات العليا بالكلية عن طريق لجنة تشكل لكل تخصص من أعضاء مجلس القسم التابع له المادة والقسم المانح للدرجة وضع البرنامج التفصيلي للمقررات في حدود الساعات المعتمدة الواردة باللائحة وعند الاختلاف يتم الاسترشاد بمقررات جامعة القاهرة ومقررات الشهادات العالمية الاوربية والامريكية يعتمدها مجالس الأقسام ثم يقرها مجلس الكلية وتشمل هذه الساعات محاضرات نظرية ودروس عملية وتدريب اكلينيكي ومحاضرات وندوات مشتركة.

مادة (١٦) : يشترط في الطالب لنيل دبلوم التخصص :

- أ - حضور المقررات الدراسية والتدريبات الإكلينيكية والعملية بصفة مرضية طبقاً للساعات المعتمدة
 - ب- أن يقوم بالعمل كطبيب مقيم أصلي أو زائر لمدة سنة على الأقل في قسم التخصص.
 - ج- أن ينجح في امتحان القسمين الأول والثاني.
- مادة (١٧) : يحسب التقدير النهائي للدبلوم على الوجه التالي :
- ٣٠% لامتحان القسم الأول

- ٧٠% لامتحان القسم الثانى

مادة (١٨) : تحتسب تقديرات النجاح والرسوب فى امتحانات الدبلوم بنفس نظام الماجستير (مادة (١١

مادة (١٩) : الطالب المقيد لدرجة الماجستير ونجح فى امتحان القسم الأول والثانى ولم يستكمل الرسالة خلال مدة القيد المحددة باللائحة يمكنه أن يحصل على شهادة دبلوم التخصص.

مادة (٢٠) : يكون التقدم للقيد لدبلومات التخصص مرة واحدة فى السنة بنفس نظام الماجستير (مادة ٥

مادة (٢١) : نظام الامتحان للدبلومات نفس نظام امتحان الماجستير (مادة ٩

مادة (٢٢) : تبين الجداول فى الباب الرابع (مادة ١٣) مقررات الدراسة والساعات المعتمدة التى تدرس لنيل دبلومات التخصص ويحدد مجلس الكلية بعد أخذ رأى مجالس الأقسام المختصة الموضوعات التى تدرس فى كل مقرر. كما تبين للدبلوم أيضا الاختبارات التحريرية والإكلينيكية والشفوية والعملية للدبلوم (المقررات الدراسية ونظام الامتحان للدبلوم والماجستير واحدة ما عدا الرسالة للماجستير فقط).

9- Students Assessment Methods

٩- طرق وقواعد تقييم الملتحقين بالبرنامج

| م | الطريقة | ما تقيسه من مخرجات التعلم المستهدفة |
|---|---|---|
| 1 | Written examination including short essay case study, MCQ examination | To assess knowledge and understanding & intellectual skills: From 2.a.1.....2.a.13 . and 2.b.1.....2.b.٧. |
| 2 | Oral examination | To assess knowledge and understanding, intellectual skills & General & transferable skills 2.a.1.....2.a.13, 2.b.1.....2.b.٧. , 2.d.1.....2.d.٦ |
| 3 | Practical & clinical examination | To assess knowledge and understanding, intellectual skills & practical and clinical skills and General & transferable skills: 2.a.1.....2.a.13., 2.b.1.....2.b.٧. , 2.d.1.....2.d.٦ ٢.c.1 2.c.9 |

First part

| إجمالي | الدرجة | | | الاختبار | المقرر | |
|--------|---------------|------|------|----------|--|-------------------------|
| | إكلينيكي | عملي | شفهي | | | تحريري |
| ٧٥ | | | ٣٠ | ٤٥ | اختبار تحريري مدته ٣ ساعات + اختبار شفهي | الفسيولوجي |
| ١٠٠ | | ٣٠ | ٢٠ | ٥٠ | اختبار تحريري مدته ٣ ساعات + اختبار شفهي + عملي | الباثولوجي |
| ١٠٠ | | | ٤٠ | ٦٠ | اختبار تحريري مدته ٣ ساعات + اختبار شفهي | الغارما |
| ٢٥ | | | ١٠ | ١٥ | اختبار تحريري مدته ثلاث ساعات + اختبار شفهي | التشريح |
| ٧٥ | | | ٣٠ | ٤٥ | اختبار تحريري مدته ٣ ساعات + اختبار شفهي | الكيمياء |
| ٢٥ | | | ١٠ | ١٥ | اختبار تحريري مدته ٣ ساعات + اختبار شفهي | الهستولوجي |
| ٥٠ | | ١٥ | ١٠ | ٢٥ | اختبار تحريري مدته ٣ ساعات + اختبار شفهي + عملي | الميكرو |
| ٥٠ | | | ٢٠ | ٣٠ | اختبار تحريري | الباثولوجيا الاكلينيكية |
| ٥٠٠ | إجمالي الدرجة | | | | | |

Second part

| إجمالي | الدرجة | | | | الاختبار | المقرر |
|--------|----------------|----------|------|--------|---|----------------|
| | عملي | إكلينيكي | شفهي | تحريري | | |
| | | ٢٧٠ | ١٨٠ | ٤٥٠ | * اختباران تحريريان مدة كل منهما ثلاث ساعات + اختبار اشعه + ECG * اختبار شفهي * اختبار إكلينيكي (٢ حالة قصيرة "١+ حالة طويلة) | الباطنة العامة |
| ٩٠٠ | إجمالي الدرجات | | | | | |

١٠ - طرق تقويم البرنامج:

10- Program Evaluation methods:

| Evaluator | Tools | Signature |
|---|---|-----------------------------------|
| Internal evaluator (s) مقيّم داخلي | Focus group discussion Meetings, <u>report</u> | <u>1-2 Report</u> |
| External Evaluator (s) مقيّم خارجي | Reviewing according to external evaluator checklist report. | <u>1-2 Report</u> |
| Senior student (s) طلاب السنة النهائية | استبيان | <u>50%</u> |
| Alumni الخريجون | استبيان | <u>50%</u> |
| Stakeholder (s) أصحاب العمل | استبيان | <u>عينات ممثلة لجميع القطاعات</u> |
| Others طرق أخرى | None | |

١١ : استراتيجيات التعليم و التعلم علي مستوي البرنامج:

١. استراتيجيات التعلم النشط. Active learning
٢. استراتيجيات التعلم المبني علي الناتج outcome based learning
٣. استراتيجيات التعليم المبني على حل المشكلات. Problem-based learning.
٤. استراتيجيات التعلم المبني على المجتمع community based learning

المسئول عن البرنامج : أ.م.د/محمد العسال
اعتماد مجلس القسم ٢٠١٣/٩
اعتماد مجلس الكلية ٣٥٦ : ٢٠١٣/٩/١٥

توصيف المقررات

Program courses

| First part | |
|-------------|--------------------------------|
| ١ | فسولوجيا تطبيقية |
| ٢ | كيمياء حيوية |
| ٣ | باكتريولوجي |
| ٤ | هستوباثولوجيا |
| ٥ | الفارماكولوجي |
| ٦ | الباثولوجيا التطبيقية |
| ٧ | التشريح |
| ٨ | الباثولوجية الاكلينيكية |
| Second part | |
| ١ | مقرر علمي وعملي للباطنة العامة |

الملحقات :

ملحق ١ : Academic standard of the program

ملحق ٢: المعايير القياسية العامة للدراسات العليا الصادرة عن الهيئة.

ملحق 3: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية للدراسات العليا الصادرة عن الهيئة.

ملحق 4: مصفوفة البرنامج مع المعايير الأكاديمية للبرنامج.

ملحق 5: مصفوفة المقررات مع البرنامج Program-Courses ILOs Matrix

ملحق 6: توصيف المقررات

ملحق ١ Academic standard of the program:

Academic standard of the program

جامعة بنها
كلية الطب
قسم الباطنة العامة

وثيقة المعايير الأكاديمية المرجعية لبرنامج الدبلومة في الباطنة

Academic Reference Standards (ARS) for diploma Degree in Internal medicine

1. Graduate Attributes:-

- 1.1 Application of knowledge acquired in the internal medicine field.
- 1.2 Determine public internal medicine problems and propose solutions.
- 1.3 Mastery of the skills and the use of appropriate technological means the application of internal medicine field .
- 1.4 Communication and leadership teams .
- 1.5 decision making in the light of available information during practice of internal medicine .
- 1.6 efficiently employ available resources to serve the patient's internal medicine.
- 1.7 Awareness of the role of the Internal Medicine practitioner in community development and environmental conservation.
- 1.8 disposition reflecting the commitment to integrity, credibility accept accountability.
- 1.9 recognize the need to develop itself and engage in continuing education, allowing the development of his performance of internal medicine .

2-The General standards:-

2.1 knowledge and understanding:-

By The end of the diploma program the graduate of Internal Medicine must able to understand and familiar with all of:

- 2.1.1 the basic knowledge of the internal medicine and its associated fields.
- 2.1.2 Ethical and legal principles of professional practice and its application in internal medicine,
- 2.1.3 Principles and the basics of quality in internal medicine application.

2.1.4 The mutual influence between the professional practice of internal medicine and its impacts on the environment.

2.1.5 principles of diseases surveillance and screening, disease prevention, communicable diseases control health promotion and health need assessment

2.1.6 principles of health care planning

2.a.7 the advanced and recent field study in internal medicine .

2.1.8 pharmacological and non-pharmacological principles in the management of the diseases

2.2 intellectual skills:

By The end of the diploma's program the graduate of Internal Medicine must able to understand and familiar with all of:

2.2.1. analyzing problems in the field of Internal Medicine and arranged according to priorities

2.2.2 Help in determine problems in internal medicine field and try to solve it

2.2.3 planning research and related topics on Internal Medicine.

2.2.4 Evaluate Risks in the practice of internal medicine.

2.2.5 Decision-making in the light of the information available that helps the internal medicine practice

2.2.6 interpret the information's of internal medicine and their related fields to proper serve the patient.

2.3 Professional and practical skills;-

By The end of the diploma's program the graduate of Internal Medicine must able to understand and familiar with all of:

2.3.1 Application of professional skills in the field of Internal Medicine

2.3.2 Writing reports related to internal medicine field.

2.4 General and transferable skills:-

By The end of the diploma's program the graduate of Internal Medicine must able to understand and familiar with all of:

2.4.1 Effective communication with its all kinds.

2.4.2 Use of information technology in order to serve the development of practice in the field internal medicine.

- 2.4.3 Self education and ability to self-assessment.
- 2.4.4 Use different sources and communication method to accept information related to internal medicine and its related fields
- 2.4.5 Work in team to proper serve the patient and saving the time.
- 2.4.6 Training on being the head of team to rapid serve and help the patient.
- 2.4.7 Continuous self-learning.

ملحق 2: المعايير القياسية لبرامج الدراسات العليا للهيئة ٢٠٠٩

١- موصفات الخريج:

- خريج برامج دبلومه الدراسات العليا فى أى تخصص يجب أن يكون قادرا على :
 - ١-١ تطبيق المعارف المتخصصة التى اكتسبها فى ممارسته المهنية .
 - ٢-١ تحديد المشكلات المهنية واقتراح حلولاً لها.
 - ٣-١ إتقان المهارات المهنية واستخدام الوسائل التكنولوجية المناسبة فى ممارسته المهنية .
 - ٤-١ التواصل وقيادة فرق العمل من خلال العمل المهني المنظومي
 - ٥-١ اتخاذ القرار فى ضوء المعلوما المتاحة
 - ٦-١ توظيف الموارد المتاحة بكفاءة
 - ٧-١ الوعى بدوره فى تنمية المجتمع والحفاظ على البيئة
 - ٨-١ التصرف بما يعكس الالتزام بالنزاهة والمصداقية وقواعد المهنة وتقبل المسائلة والمحاسبة
 - ٩-١ إدراك ضرورة تنمية ذاته والانخراط فى التعليم المستمر

٢- المعايير القياسية العامة :

- ١-٢ المعرفة والفهم:
 - بانتهاؤ دراسة برامج دبلومه الدراسات العليا يجب أن يكون الخريج قادرا على فهم واستيعاب كل من :
 - ١-٢-١ النظريات والاساسيات والمعارف المتخصصة فى مجال التعلم وكذا العلوم ذات العلاقة بممارسته المهنية
 - ٢-١-٢ المبادئ الأخلاقية والقانونية للممارسة المهنية فى مجال التخصص
 - ٣-١-٢ مبادئ وأساسيات الجودة فى الممارسة المهنية فى مجال التخصص
 - ٤-١-٢ تأثير لممارسة المهنية على البيئة والعمل على الحفاظ على البيئة وصيانتها
- ٢-٢ المهارات الذهنية :
 - بانتهاؤ دراسة برنامج دبلومه الدراسات العليا يجب أن يكون الخريج قادرا على :
 - ١-٢-٢ تحديد وتحليل المشاكل فى مجال التخصص وترتيبها وفقا لأولوياتها
 - ٢-٢-٢ حل المشاكل المتخصصة فى مجال مهنته

٣-٢-٢ القراءة التحليلية للأبحاث والمواضيع ذات العلاقة بالتخصص

٤-٢-٢ تقييم المخاطر فى الممارسات المهنية

٥-٢-٢ اتخاذ القرارات المهنية فى ضوء المعلومات المتاحة

٣-٢ المهارات المهنية :

بانتهاى دراسة برنامج دبلومه الدراسات العليا يجب أن يكون الخريج قادرا على :

١-٣-٢ تطبيق المهارات المهنية فى مجال التخصص

٢-٣-٢ كتابة التقارير المهنية

٤-٢ المهارات العامة والمنتقلة:

بانتهاى دراسة برنامج دبلومه الدراسات العليا يجب أن يكون الخريج قادرا على :

١-٤-٢ التواصل الفعال بأنواعه المختلفة

٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم تطوير الممارسة المهنية

٣-٤-٢ التقييم الذاتى وتحديد احتياجاته التعليمية الشخصية

٤-٤-٢ استخدام المصادر المختلفة للحصول على المعلومات والمعارف

٥-٤-٢ العمل فى فريق وإدارة الوقت

٦-٤-٢ قيادة فريق فى سياقات مهنية مألوفة

٧-٤-٢ التعلم الذاتى والمستمر

ملحق 3: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية للدراسات العليا
الصادرة عن الهيئة

| المعايير القياسية للدراسات العليا الصادرة عن الهيئة | المعايير الأكاديمية للبرنامج |
|---|---|
| ١ - مواصفات الخريج | |
| ١,١ تطبيق المعارف المتخصصة التي اكتسبها في ممارسته المهنية . | 1.1 Application of knowledge acquired in the internal medicine field |
| ١,٢ تحيد المشكلات المهنية واقتراح حلول لها | ١,٢ Determine public internal medicine problems and propose solutions. |
| ١,٣ إتقان المهارات المهنية واستخدام الوسائل التكنولوجية المناسبة في ممارسته المهنية . | 1.3 mastery of the skills and the use of appropriate technological means the application of internal medicine field |
| ١,٤ التواصل وقيادة فرق العمل من خلال العمل المهني المنظومي | 1.4 communication and leadership teams |
| 1.5 اتخاذ القرار في ضوء المعلوما المتاحة | 1.5 decision making in the light of available information during practice of internal medicine |
| 1.6 توظيف الموارد المتاحة بكفاءة | 1.6 efficiently employ available resources to serve the patient's internal medicine |
| ١,٧ الوعي بدوره في تنمية المجتمع والحفاظ على البيئة | ١,٧ Awareness of the role of the Internal Medicine practitioner in community development and environmental conservation. |
| ١,٨ التصرف بما يعكس الالتزام بالنزاهة والمصادقية وقواعد المهنة وتقبل المسائلة والمحاسبة | 1.8 disposition reflecting the commitment to integrity, credibility accept accountability |
| ١,٩ إدراك ضرورة تنمية ذاته والانخراط في التعليم المستمر | 1.9 recognize the need to develop itself and engage in continuing education, allowing the development of his performance of internal medicine |
| المعايير العامة - 2 | |
| ١,٢ المعرفة والفهم: | |
| ١,٢,١ النظريات والاساسيات والمعارف المتخصصة في مجال التعلم وكذا العلوم ذات العلاقة بممارسته المهنية | ١,٢,١ Recognize the basic knowledge related to internal medicine and its associated fields |
| ١,٢,٢ المبادئ الأخلاقية والقانونية للممارسة المهنية في مجال التخصص | 1.2.2 Accept Ethical and legal principles of professional practice and its application in internal medicine |
| ١,٢,٣ مبادئ وأساسيات الجودة في الممارسة المهنية في مجال التخصص | 1.2.3 Know Principles and the basics of quality in internal medicine application |

| | |
|---|---|
| 1.2.4Under stand The mutual influence between the professional practice of internal medicine and its impacts on the environment | ١,٢,٤ تأثير لممارسة المهنة على البيئة والعمل على الحفاظ على البيئة وصيانتها |
| ٢,٢ المهارات الذهنية | |
| 2.2.1Identify problems in the field of Internal Medicine and arranged according to priorities | ٢,٢,١ تحديد وتحليل المشاكل في مجال التخصص وترتيبها وفقا لأولوياتها |
| 2.2.2Help in solve problems in internal medicine . | ٢,٢,٢ حل المشاكل المتخصصة في مجال مهنته |
| 2.2.3Reading analytical research and related topics on I Internal Medicine | ٢,٢,٣ القراءة التحليلية للأبحاث والمواضيع ذات العلاقة بالتخصص |
| 2.2.4Evaluate Risks in the practice of internal medicine | ٢,٢,٤ تقييم المخاطر في الممارسات المهنية |
| 2.2.5decision-making in the light of the information available that help the internal medicine practice | ٢,٢,٥ اتخاذ القرارات المهنية في ضوء المعلومات المتاحة |
| ٢,٣ المهارات المهنية | |
| 2.3.1Application of professional skills in the field of specialty Internal Medicine | ٢,٣,١ تطبيق المهارات المهنية في مجال التخصص |
| 2.3.2Writing professional reports related to internal medicine field | 2.3.2 كتابة التقارير المهنية |
| 2.4 المهارات العامة والمنتقلة | |
| 2.4.1Effective communication of all kinds | 2.4.1 التواصل الفعال بأنواعه المختلفة |
| 2.4.2Use of information technology in order to serve the development of practice in the field internal medicine | ٢,٤,٢ استخدام تكنولوجيا المعلومات بما يخدم تطوير الممارسة المهنية |
| 2.4.3Self education and ability to self-assessment | ٢,٤,٣ التقييم الذاتي وتحديد احتياجاته التعليمية الشخصية |
| ٢,٤,4 Use different sources and communication method to accept information related to internal medicine and its related fields | ٢,٤,٤ استخدام المصادر المختلفة للحصول على المعلومات والمعارف |
| 2.4.5 Work in team to proper serve the patient and saving the time | 2.4.5 العمل في فريق وادارة الوقت |
| 2.4.6 Training on being the head of team to rapid serve and help the patient | 2.4.6 قيادة فريق في سياقات مهنية مألوفة |
| 2.4.7Continous self-learning | 2.4.7 التعلم الذاتي والمستمر |

ملحق 4: مصفوفة البرنامج مع المعايير الأكاديمية للبرنامج

| اهداف البرنامج | المعايير الأكاديمية للبرنامج |
|---------------------|---|
| 1.1 | 1.1 Application of knowledge acquired in the internal medicine |
| 1.3 | 1.2 Determine public internal medicine problems and propose solutions |
| 1.2 | 1.3 mastery of the skills and the use of appropriate technological means the application of internal medicine field |
| 1.4 | 1.4 communication and leadership teams |
| 1.5 | 1.5 decision making in the light of available information during practice of internal medicine |
| 1.9 | 1.6 efficiently employ available resources to serve the patient's internal medicine |
| 1.6 | 1.7 Awareness of the role of the Internal Medicine practitioner in community development and environmental conservation. |
| 1.7 | 1.8 disposition reflecting the commitment to integrity, credibility accept accountability |
| 1.8 | 1.9 recognize the need to develop itself and engage in continuing education, allowing the development of his performance of internal medicine |
| نواتج تعلم البرنامج | |
| المعرفة و الفهم | |
| 2.a.13 | 2.a.1 |
| 2.a.12 | 2.a.2 |
| 2.a.11 | 2.a.3 |
| 2.a.10 | 2.a.4 |
| 2.a.9 | 2.a.5 |
| 2.a.8 | 2.a.6 |
| 2.a.7 | 2.a.7 |
| 2.a.6 | 2.a.8 |
| 2.a.5 | 2.a.9 |
| 2.a.4 | 2.a.10 |
| 2.a.3 | 2.a.11 |
| 2.a.2 | 2.a.12 |
| 2.a.1 | 2.a.13 |
| 2.1.1 | h |
| 2.1.2 | h |
| 2.1.3 | h |
| 2.1.4 | h |
| 2.1.5 | h |

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| | | | | | | | | | | | 2.1.6 |
| | | | | | | | | | | | 2.1.7 |
| | | | | | | | | | | | 2.1.8 |
| | | | | | | | | | | | 2.1.9 |
| نواتج تعلم البرنامج | | | | | | | | | | | المعايير الأكاديمية للبرنامج المهارات المهنية |
| Practical/Professional skills | | | | | | | | | | | |
| | | | | | | | | | | | 2.3.1 |
| | | | | | | | | | | | 2.3.2 |
| نواتج تعلم البرنامج | | | | | | | | | | | المعايير الأكاديمية للبرنامج المهارات الذهنية |
| Intellectual Skills: | | | | | | | | | | | |
| | | | | | | | | | | | 2.2.1 |
| | | | | | | | | | | | 2.2.2 |
| | | | | | | | | | | | 2.2.3 |
| | | | | | | | | | | | 2.2.4 |
| | | | | | | | | | | | 2.2.5 |
| | | | | | | | | | | | 2.2.6 |
| نواتج تعلم البرنامج | | | | | | | | | | | المعايير الأكاديمية للبرنامج المهارات العامة |
| General and transferable skills | | | | | | | | | | | |
| | | | | | | | | | | | ٢,٤,١ |
| | | | | | | | | | | | ٢,٤,٢ |

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|--|--|---|---|--|---|-------|
| | | | | | h | ٢,٤,٣ |
| | | | | | h | ٢,٤,٤ |
| | | | h | | | ٢,٤,٥ |
| | | h | | | | ٢,٤,٦ |
| | | | | | h | ٢,٤,٧ |

ملحق (5) مصفوفة المعارف والمهارات للبرنامج الدراسي

| Knowledge & Understanding | | | | | | | | | | | | | Courses & codes | |
|---------------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-----------------|---|
| 2.a.13 | 2.a.12 | 2.a.11 | 2.a.10 | 2.a.9 | 2.a.8 | 2.a.7 | 2.a.6 | 2.a.5 | 2.a.4 | 2.a.3 | 2.a.2 | 2.a.1 | | |
| | | | | | | | | | H | | H | | INTM 601 | الفسولوجي والكيمياء الحيوية |
| | | | | | H | | | | | | | H | INTM 602 | التشريح والهستولوجيا |
| | | | | | | H | | | | | | | INTM 603 | الفارماكولوجيا |
| | | | | | H | | | | | | | | INTM 604 | الباثولوجيا |
| | | | | | | | | | | H | | | INTM 605 | البكتريولوجيا |
| | | | | | | | | | H | | | | INTM 606 | الباثولوجيا الإكلينيكية والكيمياءية |
| H | H | H | H | H | | | H | H | | | | | INTM 607 | الأمراض الباطنة وفروعها |
| Intellectual Skills | | | | | | | | | | | | Courses & codes | | |

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|--|--|--|--|--|--|--|--|--|----------------------------|----------|-------------------------------------|
| 2.b.1 | | | | | | | | | | INTM 601 | الفسيزولوجي والكيمياء الحيوية |
| 2.b.2 | | | | | | | | | | INTM 602 | التشريح والهستولوجي |
| 2.b.3 | | | | | | | | | | INTM 603 | الفارماكولوجيا |
| 2.b.4 | | | | | | | | | | INTM 604 | الباثولوجيا |
| 2.b.5 | | | | | | | | | | INTM 605 | البكتريولوجيا |
| 2.b.6 | | | | | | | | | | INTM 606 | الباثولوجيا الإكلينيكية والكيميائية |
| 2.b.7 | | | | | | | | | | INTM 607 | الأمراض الباطنة وفروع |
| Practical & Clinical Skills | | | | | | | | | Courses & codes | | |
| 2.c.1 | | | | | | | | | | | |
| 2.c.2 | | | | | | | | | | INTM 601 | الفسيزولوجي والكيمياء الحيوية |
| 2.c.3 | | | | | | | | | | INTM 602 | التشريح والهستولوجي |
| 2.c.4 | | | | | | | | | | INTM 603 | الفارماكولوجيا |
| 2.c.5 | | | | | | | | | | INTM 604 | الباثولوجيا |
| 2.c.6 | | | | | | | | | | INTM 605 | البكتريولوجيا |
| 2.c.7 | | | | | | | | | | INTM 606 | الباثولوجيا الإكلينيكية والكيميائية |
| 2.c.8 | | | | | | | | | | INTM 607 | الأمراض الباطنة وفروع |
| 2.c.9 | | | | | | | | | | | |
| General and transferable | | | | | | | | | Courses & codes | | |

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| | | | | | 2.d.1 | H | INTM 601 | الفسولوجي والكيمياء الحيوية |
| | | | | | 2.d.2. | H | INTM 60 | التشريح والهستولوجي |
| | | | | | 2.d.3 | H | INTM 60 | الفارماكولوجيا |
| | | | | | 2.d.4. | H | INTM 604 | الباثولوجي |
| | | | | | 2.d.5 | H | INTM 605 | البكتريولوجيا |
| | | | | | 2.d.6 | H | INTM 60 | الباثولوجيا الإكلينيكية والكيميائية |
| | | | | | | H | INTM 60 | الأمراض الباطنة وفروع |

ملحق (٦) مصفوفة المعارف والمهارات للبرنامج الدراسي

| Knowledge & Understanding | | | | | | | | | | | | | | Courses & codes | | | |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|----------------------------|---|----------|-------------------------------------|
| 2.a.1 | 2.a.2 | 2.a.3 | 2.a.4 | 2.a.5 | 2.a.6 | 2.a.7 | 2.a.8 | 2.a.9 | 2.a.10 | 2.a.11 | 2.a.12 | 2.a.13 | 2.a.14 | | | INTM 601 | الفسيولوجي والكيمياء الحيوية |
| | H | | H | | | | H | | | | | | | | H | INTM 602 | التشريح والهستولوجيا |
| | | | | | | H | | | | | | | | | | INTM 603 | الفارماكولوجيا |
| | | | | | | | H | | | | | | | | | INTM 604 | الباثولوجيا |
| | | | | | | | | | | | | | | | H | INTM 605 | البكتريولوجيا |
| | | | | | | | | | | | | | | | H | INTM 606 | الباثولوجيا الإكلينيكية والكيميائية |
| | | | | | H | | | | | | | | H | | | INTM 607 | الأمراض الباطنة وفروعها |
| Intellectual Skills | | | | | | | | | | | | | | Courses & codes | | | |
| | 2.b.1 | 2.b.2 | 2.b.3 | 2.b.4 | 2.b.5 | 2.b.6 | 2.b.7 | 2.b.8 | | | | | | | | INTM 601 | الفسيولوجي والكيمياء الحيوية |
| | | | | | | | | H | | | | | | | | | |

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|--|--------|-------|-------|-------|-------|-------|-------|-------|----------------------------|-------------|--|
| H | | | | | | | | | | INTM 602 | التشريح والهستولوجي |
| H | | | | | | | | | | ٣INTM 60 | الفارماكولوجيا |
| H | | | | | | | | | | ٤INTM 60 | الباثولوجيا |
| H | | | | | | | | | | ٥INTM 60 | البكتريولوجيا |
| H | | | | | | | | | | INTM 606 | الباثولوجيا الإكلينيكية والكيمائية |
| | H | H | H | H | H | H | H | H | | INTM 607 | الأمراض الباطنة وفروع |
| Practical & Clinical Skills | | | | | | | | | Courses & codes | | |
| | 2.c.10 | 2.c.9 | 2.c.8 | 2.c.7 | 2.c.6 | 2.c.5 | 2.c.4 | 2.c.3 | ٢.c.2. | 2.c.1 | |
| | | | | | | | | | | INTM 601 | الفسولوجي والكيمياء الحيوية |
| H | | | | | | | | | | INTM ٢60 | التشريح والهستولوجي |
| | | | | | | | | | | INTM ٣60 | الفارماكولوجيا |
| H | | | | | | | | | | INTM ٤60 | الباثولوجي |
| H | | | | | | | | | | INTM ٥60 | البكتريولوجيا |

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|---------------------------------|-------|--------|-------|-------|-------|--------|-------|-------|-------|----------------------------|--|
| H | | | | | | | | | | INTM ٦60 | الباثولوجيا الإكلينيكية والكيمائية |
| | H | H | H | H | H | H | H | H | H | INTM ٧60 | الأمراض الباطنة وفروع |
| General and transferable | | | | | | | | | | Courses & codes | |
| 2.d.10 | 2.d.9 | 2.d.8. | 2.d.7 | 2.d.6 | 2.d.5 | 2.d.4. | 2.d.3 | ٢d.2. | 2.d.1 | | |
| | | H | | | | | | H | H | INTM 601 | الفسولوجي والكيمياء الحيوية |
| | | H | | | | | | H | H | INTM ٢60 | التشريح والهستولوجي |
| | | H | | | | | | H | H | INTM ٣60 | الفارماكولوجيا |
| | | H | | | | | | H | H | INTM ٤60 | الباثولوجي |
| | | H | | | | | | H | H | INTM ٥60 | البكتريولوجيا |
| | | H | | | | | | H | H | INTM ٦60 | الباثولوجيا الإكلينيكية والكيمائية |
| | H | H | H | H | H | H | H | H | H | INTM ٧60 | الأمراض الباطنة وفروع |

نموذج رقم (١٢)

جامعة / أكاديمية بنها .

كلية / معهد : .. الطب ..

قسم : Department of Pathology

توصيف مقرر دراسي

| | | |
|---|--|-----------------------------|
| ١- بيانات المقرر | | |
| الفرقة / المستوى : 1 st part diploma degree of internal medicine | اسم المقرر : Pathology | الرمز الكودي : (INTM604) |
| عدد الوحدات الدراسية : نظري 1hr عملي 1hr For 15 week | التخصص : diploma degree of internal medicine | |

| | |
|--|-----------------------------|
| <p>by the end of the course the student should be able to</p> <ul style="list-style-type: none"> • Good application of basic pathological knowledge essential for the practice of general medicine • provide basic and specialized services in relation with biopsy diagnosis in the practice of medicine and investigations. | ٢- هدف المقرر : |
| ٣- المستهدف من تدريس المقرر : | |
| <p>by the end of the course the student should be able to</p> <p>2.a.1. Describe the dissection of different types of biopsies.</p> <p>2.a.2. discuss the laws in relation to the practical work, medical practice and be acquainted with related relevant amendments and also related judgments passed by constitutional courts .</p> <p>2.a.3 identify the clinical manifestations and differential diagnosis of common pathological cases.</p> <p>2.a.4. discuss the scientific basis and interpretation of various diagnostic modalities essential for general medicine</p> <p>2.a.5. Identify the principles that govern ethical decision making in clinical practice as well as the pathological aspect of medical malpractice.</p> <p>2.a.6. Illustrate ethics of medical research.</p> <p>2.a.7. discuss basic knowledge & theories needed to support literature retrieval and further research capabilities.</p> <p>2.a 8. Identify the importance of life-long self-learning required for continuous professional development.</p> <p>2.a.9. Describe the scope and impact of human rights law on persons groups.</p> | أ- المعلومات والمفاهيم : |

| | |
|---|---|
| <p>2 b.1. assess investigational reports. 2.b.2. Evaluate the risky problems that could be met during taking biopsies . 2.b.3. Combine the clinical and investigational database to be proficient in clinical problem solving.. 2.b.٤ analyze the most appropriate and cost effective diagnostic procedures for each problem. 2.b.٥. Interpret research hypothesis & questions.</p> | <p>ب- المهارات الذهنية:</p> |
| <p>2.c.1 Diagnose problem and make decision necessary for proper evaluation and management. 2.c.2. Diagnose and manage different cases 2.c.3. apply cancer assessment, cytological and immunohistochemical reports . 2.c.4. Apply different technical skills in internal medicine practice</p> | <p>ج- المهارات المهنية الخاصة بالمقرر :</p> |
| <p>2.d.1. Work effectively as a member or a leader of an interdisciplinary team and 2.d.2. evaluate performance of others. 2.d.3. Establish life-long self-learning required for continuous professional development 2.d.4. Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice. 2.d.5. Retrieve information by all means, including electronic means.</p> | <p>د - المهارات العامة :</p> |

| Subject | Total (hrs) | Lectures (hrs) | Practical (hrs) | % of Total | ٤- محتوى المقرر: |
|--|-------------|----------------|-----------------|------------|---|
| | 60 | 15 | 45 | | |
| General pathology | | 4 | 30 | | |
| Cell response to injury, Stem cells and repair, Tissue deposits | | 1 | 6 | | |
| Inflammation, Granulomas, Viral diseases | | 1 | 6 | | |
| Disturbance of growth Neoplasia, Developmental and genetic diseases | | 1 | 6 | | |
| Circulatory disturbances, Radiation Basic immunopathology | | 0.5 | 6 | | |
| Diagnostic methods in pathology | | 0.5 | 6 | | |
| Special Pathology | | 5 | 15 | | |
| Diseases of the Cardiovascular system | | 1 | 3 | | |
| Diseases of the respiratory system | | 1 | 2 | | |
| Diseases of the urinary system: | | 0.5 | 2 | | |
| Diseases of the gastrointestinal tract | | 0.5 | 2 | | |
| Diseases of the Liver, gall bladder, pancreas | | 0.5 | 2 | | |
| Diseases of the lymphatic system, spleen , blood | | 0.5 | 2 | | |
| Diseases of the endocrine | | 0.5 | 2 | | |
| Types of biopsies. Diagnostic methods | | 0.5 | 0 | | |
| 4.1-modified lectures: 4.2-Small group discussions and case studies 4.3-Practical sessions a- Histopathology slide lab b- Museum of pathology. | | | | | ٥- أساليب التعليم والتعلم |
| لا ينطبق | | | | | ٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة |
| | | | | | ٧- تقويم الطلاب : |

| | | |
|---|-----------------------------------|----------------------|
| Written Oral Practical | أ- الأساليب المستخدمة | |
| First part exam Second part exam | ب- التوقيت | |
| <u>Weighting System:</u> | | |
| Examination | Marks allocated | % of Total Ma |
| First part: a- Written | 50 | 50% |
| b- Practical | 30 | 30% |
| c- Oral | 20 | 20% |
| Total | | 100% |
| ٨- قائمة الكتب الدراسية والمراجع : | | |
| 1- Course notes 1-Handouts updated, administered by staff members 2-Museum notebook. 3-CDs for histopathological slides and museum specimens are available at the department. | أ- مذكرات | |
| 6.2- Essential books (text books) - Rosai and Ackerman's Surgical Pathology Juan Rosai, Mosby 2008 - Sternberg's Diagnostic surgical Pathology 4 th edition, Lippincott Williams and Wilkins - Kumar V ,AbbasAK ,Fausto N:Robbins and Cotran Pathologic Basis of Disease ,7 th ed.;2008 Elsevier Saunders. Available at faculty bookshops & main library | ب- كتب ملزمة | |
| | ج- كتب مقترحة | |
| http://www.pathmax.com/http://www-medlib.med.utah.edu/WebPath/LABS/LABMENU.html#2 http://www.med.uiuc.edu/PathAtlasf/titlePage.html http://www.medscape.com/pathologyhome http://www.gw hyperlink http://umc.edu/dept/path/2 umc.edu/dept/path/2F | د - دوريات علمية أو نشرات الخ ... | |

استاذ المادة : Prof.Dr Hala Adel Agina

رئيس مجلس القسم العلمي : Prof.Dr Abd Elatif Elbalshy

Date: 2 / 9 /2013

نموذج رقم (١٢)

جامعة: بينها
كلية: الطب
قسم: الفسيولوجي

توصيف مقرر دراسي

| | | |
|---|---|--|
| ١- بيانات المقرر | | |
| الفرقة / المستوى : 1 st diploma internal medicine | اسم المقرر : PHYSIOLOGY | الرمز الكودي : INTM 601 |
| عملي - | عدد الوحدات الدراسية : نظري 1.5 For 15 weeks | التخصص : diploma internal medicine |

| | |
|---|-----------------------------|
| <p>By the end of the course the student should be able to</p> <ul style="list-style-type: none"> • approaching to the detailed knowledge of human physiology. • facilitate understanding the clinical data for the graduate in the clinical practice. | ٢- هدف المقرر : |
| ٣- المستهدف من تدريس المقرر : | |
| By the end of the course the student should be able to | |
| <p>2.a.1- discuss according to priority the main functions of systems, organs and cells.</p> <p>2.a.2- Explain and describe the basic and detailed physiological processes in correct medical terms and in correct order.</p> <p>2.a.3- discuss important physiological definitions and laws.</p> <p>2a.4-identify the different mechanisms of homeostasis and how to use it in applied physiology.</p> <p>2.a.5- illustrate excellence in medical education , research</p> | أ- المعلومات والمفاهيم : |
| <p>2.b.1- interpret deviations from the normal physiology and its effects.</p> <p>2.b.2- distinguish the consequences of physiological disorders into clinical manifestations and vice versa (interpret clinical manifestations into physiological data).</p> <p>2.b.3- distinguish physiological information in the form of simplified diagrams with complete data on it.</p> <p>2.b.4- connect different branches of physiology to each other and to other branches of medicine.</p> <p>2.b 5- Analyze any physiological curve.</p> <p>2.b.6- Compare homologous physiological structures and processes.</p> <p>2.b.7- analyze and summarize updated physiological information.</p> <p>2.b.8-. interpret the normal structure and function of the human body and mind at the level of its system.</p> | ب- المهارات الذهنية: |

| <p>2.c.1- use important physiological laws. 2c.2-apply the different mechanisms of homeostasis and how to use it in applied physiology</p> | <p>ج- المهارات المهنية الخاصة بالمقرر :</p> | | | | | | |
|--|---|-------------|---------------|------------------------|---|---------------------|---|
| <p>2.d.1 - Use the sources of biomedical information to remain current with the advances in knowledge & practice. 2.d 2-communicate in community development and in drawing up and implementing development policies and plans. 2.d.3 – retrieve the principles of disease surveillance and screening, communicable disease control, health promotion and health needs assessments well as counseling practices.</p> | <p>د - المهارات العامة :</p> | | | | | | |
| <p>cerebellum Arterial blood pressure and its regulation, Capillary circulation, C.O.P, Venous circulation, Hemorrhage and shock, Edema Respiratory function of the blood Exchange of gases across the pulmonary membrane Regulation of respiration Hypoxia and cyanosis Gastrointestinal digestion and absorption, Biliary secretion Jaundice. Anemias, Hemostasis, Erythropoiesis, Platelets, Leucocytes and immunity Pain and pain control system, Neurotransmitters Pyramidal and extrapyramidal tracts, Basal ganglia, Thyroid hormones, Parathyroid, Insulin hormone, Suprarenal cortical hormone Acid base balance and imbalance</p> | <p>٤- محتوى المقرر:</p> | | | | | | |
| <p>1 modified lecture 2 small group discussion 3 problem solving</p> | <p>٥- أساليب التعليم والتعلم</p> | | | | | | |
| <p>لا ينطبق</p> | <p>٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة</p> | | | | | | |
| <p>٧- تقويم الطلاب :</p> | | | | | | | |
| <p><u>Examinassions description:</u></p> | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="253 1661 521 1696">Examination</th> <th data-bbox="521 1661 1143 1696">Measured ILOs</th> </tr> </thead> <tbody> <tr> <td data-bbox="253 1696 521 1772">1- written examination</td> <td data-bbox="521 1696 1143 1772">Knowledge and understanding and intellectual skills</td> </tr> <tr> <td data-bbox="253 1772 521 1850">2- Oral examination</td> <td data-bbox="521 1772 1143 1850">Knowledge and understanding and intellectual skills, practical , general skills</td> </tr> </tbody> </table> | | Examination | Measured ILOs | 1- written examination | Knowledge and understanding and intellectual skills | 2- Oral examination | Knowledge and understanding and intellectual skills, practical , general skills |
| Examination | Measured ILOs | | | | | | |
| 1- written examination | Knowledge and understanding and intellectual skills | | | | | | |
| 2- Oral examination | Knowledge and understanding and intellectual skills, practical , general skills | | | | | | |
| <p>Final examination after 15 weeks</p> | <p>ب- التوقيت</p> | | | | | | |

| Weighting System: | | | ج- توزيع الدرجات |
|---|------------------------|-------------------------|--------------------------------------|
| Examination | Marks allocated | % of Total Marks | |
| 2- Final exam: | | | |
| a- Written | 45 | 60% | |
| b- Oral | 30 | 40% | |
| Total | 75 | 100% | |
| ٨- قائمة الكتب الدراسية والمراجع : | | | |
| List of references | | | أ- مذكرات |
| 6.1- Course notes | | | |
| 6.2- Essential books (text books) Poul-Erik Paulev(2000): Medical Physiology And Pathophysiology Essentials and clinical problems. | | | ب- كتب ملزمة |
| - Recommended books Poul-Erik Paulev (2002):): Medical Physiology Textbook | | | ج- كتب مقترحة |
| 6.3- Periodicals, Web sites, www.jap.physiology.org . www.physiologyonline.physiology.org/cgi/content | | | د - دوريات علمية أو نشرات ... الخ |

استاذ المادة Prof. Alaa Elteleis

رئيس مجلس القسم العلمي Prof. Alaa Elteleis

Date 2-9-2013

نموذج رقم (١٢)

جامعة : بنها
كلية: الطب
قسم : الهستولوجي

توصيف مقرر دراسي

| | |
|---|--|
| ١- بيانات المقرر | |
| 1 st diploma : الفرقة / المستوى : internal medicine | Histology & Cell Biology اسم المقرر: |
| الرمز الكودي : INTM 602 | |
| عدد الوحدات الدراسية : نظري 0.5/hrs عملي <input type="text"/> | التخصص : diploma : internal medicine |
| For 15 weeks | |

| | |
|-------------------------------|---|
| ٢- هدف المقرر : | By the end of the course the student should be able to acquire Advanced scientific knowledge essential to practice Histology & Cell Biology dealing with internal medicine. |
| ٣- المستهدف من تدريس المقرر : | By the end of the course the student should be able to |
| أ- المعلومات والمفاهيم : | 2.a.1. Describe the normal structure and function of the human body cells at the level of its organ & system on the molecular level. 2.a.2. discuss the normal structure and function of the human body cells and mind at the molecular, biochemical levels (including the principles of genetics). 2.a.3. identify the normal growth and development of the human body cells & its impact on cellular function, molecular signaling. 2.a. 4. Illustrate the cell signaling & altered cell behavior. 2.a.5. discuss the altered development, growth, structure and function of the body and mind that will be associated with common clinical conditions. |
| ب- المهارات الذهنية: | 2.b.1. Combine the technical and investigational database to be proficient in histological problem solving. 2.b.2. Select initial technical hypotheses for each problem. 2.b.3 Analyze all sources of information to Interpret and evaluate the tissue samples |
| ج- المهارات المهنية | 2.c.1 diagnose types of cell under microscope |

| <p>2.c.1. Establish life-long self-learning required for continuous professional development.</p> <p>2.c.2. Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.</p> <p>2.c.3. Retrieve, manage, and manipulate information by all means, including electronic means.</p> <p>2.c.4. write information clearly using electronic and oral forms.</p> <p>2.c.5. Establish effective interpersonal relationship to Communicate ideas and arguments .</p> | <p>د - المهارات العامة :</p> | | | | | | | | | | | | |
|---|---|----------------|------------------------|---|---------------------|---|------------------------------|--|--------------|----------|--|------------|---------------------------------|
| <p>Cytology , epithelial tissue, connective tissue, cartilage, bone</p> <p>blood</p> <p>muscle tissue, Nervous tissue, the urinary system, heart, respiratory system , the digestive system</p> | <p>٤- محتوى المقرر:</p> | | | | | | | | | | | | |
| <p>1 Modified lecture</p> <p>2 Small group discussions</p> <p>3 Practical sessions</p> <table border="1" data-bbox="253 999 1065 1205"> <thead> <tr> <th>Item</th> <th>Time schedule</th> <th>Teaching hours</th> <th>Total hours</th> </tr> </thead> <tbody> <tr> <td>Lectures practical</td> <td><u>0.5h</u> /week</td> <td>0.5 hour /week</td> <td></td> </tr> <tr> <td>Total</td> <td>15 weeks</td> <td></td> <td>7.5</td> </tr> </tbody> </table> | Item | Time schedule | Teaching hours | Total hours | Lectures practical | <u>0.5h</u> /week | 0.5 hour /week | | Total | 15 weeks | | 7.5 | <p>- أساليب التعليم والتعلم</p> |
| Item | Time schedule | Teaching hours | Total hours | | | | | | | | | | |
| Lectures practical | <u>0.5h</u> /week | 0.5 hour /week | | | | | | | | | | | |
| Total | 15 weeks | | 7.5 | | | | | | | | | | |
| <p>لا ينطبق</p> | <p>- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة</p> | | | | | | | | | | | | |
| | <p>٧- تقويم الطلاب :</p> | | | | | | | | | | | | |
| <p>Examination methods:</p> <table border="1" data-bbox="253 1415 1065 1638"> <thead> <tr> <th>Examination</th> <th>ILOs</th> </tr> </thead> <tbody> <tr> <td>1- written examination</td> <td>Knowledge and understanding and intellectual skills</td> </tr> <tr> <td>2- Oral examination</td> <td>Knowledge and understanding and intellectual skills, practical , general skills</td> </tr> </tbody> </table> | Examination | ILOs | 1- written examination | Knowledge and understanding and intellectual skills | 2- Oral examination | Knowledge and understanding and intellectual skills, practical , general skills | <p>أ- الأساليب المستخدمة</p> | | | | | | |
| Examination | ILOs | | | | | | | | | | | | |
| 1- written examination | Knowledge and understanding and intellectual skills | | | | | | | | | | | | |
| 2- Oral examination | Knowledge and understanding and intellectual skills, practical , general skills | | | | | | | | | | | | |
| <p>15 week</p> | <p>ب- التوقيت</p> | | | | | | | | | | | | |

| <u>Weighting System:</u> | | | ج- توزيع الدرجات |
|---|------------------------|-------------------------|------------------------------------|
| Examination | Marks allocated | % of Total Marks | |
| 1- written examination | 15 | 60% | |
| 2- oral examination | 10 | 40% | |
| Total | 25 | 100% | |
| | | | ٨- قائمة الكتب الدراسية والمراجع : |
| | | | أ- مذكرات |
| <u>Essential books (text books):</u> | | | ب- كتب ملزمة |
| 1.Junqueira Basic Histology. | | | |
| .2-Gartner &Hiatt Atlas Histology | | | |
| Wheater's functional Histology | | | ج- كتب مقترحة |
| <u>Periodicals, Web sites, etc:</u> | | | د - دوريات علمية أو نشرات ... الخ |
| 1.http://www.medscape.com. | | | |
| .2.http://www.pubmed.com. | | | |
| .3.http://master.emedicine.com/maint/cme.asp. | | | |
| 4.http://www.science direct.com. | | | |

استاذ المادة: Prof DrMohamedMagdi Zaky

Head of Department:

Date: 9/2013

نموذج رقم (١٢)

جامعة : بنها
كلية: الطب
قسم : التشريخ

توصيف مقرر دراسي

| | | |
|--|---|---|
| ١- بيانات المقرر | | |
| 1 st diploma الفرقة / المستوى internal medicine(| اسم المقرر : Anatomy and embryology | الرمز الكودي : Code INTM 602 |
| <input type="checkbox"/> | عدد الوحدات الدراسية : نظري 0.5/week For 15 week | التخصص : diploma internal medicine |

| | |
|---|---------------------------------------|
| <u>By the end of the course the student should be able to</u> | ٢- هدف المقرر : |
| <ul style="list-style-type: none"> provide the postgraduate educational experience necessary for further practice in Abdomen and pelvis, Neuroanatomy, thorax., head and neck the embryology to give them the key stone in understanding the anatomy and congenital malformation. | |
| ٣- المستهدف من تدريس المقرر : | |
| 2.a.1 Describe the morphology , location ,vasculature , innervations & relations of different parts of human body. 2.a.2 identify the most common variations to give an idea for the clinical application. 2.a.3 discuss the impact of fine structure of the anatomical components. 2.a.4 describe the radiological anatomy to know structure of deeper details. 2.a.5 identify the surface anatomy of the visible and deeper structures of the body. | أ- المعلومات والمفاهيم : |
| 2.b.1 Interpret the anatomical structure and how help the internal medicine application 2.b.2- analyze problem of environmental factors on the development of body systems. | ب- المهارات الذهنية : |
| 2.c.1- use the different techniques ,stains, and chemicals for preservation & study of the anatomical specimen and tissues 2.c.2- Interpret result of radiological and surface anatomy | ج- المهارات المهنية الخاصة بالمقرر |

| <p>2.c.1 Establish life-long self-learning required for continuous professional development.</p> <p>2.c.2 Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.</p> <p>2.c.3 Establish effective interpersonal relationship to Communicate ideas and arguments .</p> <p>2.c.4 Retrieve, manage, and manipulate information by all means, including electronic means.</p> <p>2.c.5 retrieve information clearly in written, electronic and oral forms.</p> | <p>د - المهارات العامة :</p> | | | | | | | | |
|---|--|--|-----------------|-------------|-------------------|------------|--|--------------|--|
| <p>Abdomen pelvis head and neck chest neuroanatomy</p> | <p>٤- محتوى المقرر:</p> | | | | | | | | |
| <p>1. Modified Lectures 2. Practical classes 3. discussion</p> | <p>٥- أساليب التعليم والتعلم</p> | | | | | | | | |
| <p>لا ينطبق</p> | <p>٦- أساليب التعليم والتعلم للطلاب ذوى القدرات المحدودة</p> | | | | | | | | |
| <p>٧- تقويم الطلاب :</p> | | | | | | | | | |
| <p>E) <u>Examinassions methods:</u></p> | | | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="237 1035 427 1073">Examination</th> <th data-bbox="427 1035 597 1073">Type</th> <th data-bbox="597 1035 1159 1073">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="237 1073 427 1499" rowspan="2">Final Examination</td> <td data-bbox="427 1073 597 1304">1. Written</td> <td data-bbox="597 1073 1159 1304">A three-hour written paper composed Long & short essay-type questions, MCQs (two papers-3 hours each) To assess Knowledge and understanding and intellectual skills, general skills</td> </tr> <tr> <td data-bbox="427 1304 597 1499">3. Oral</td> <td data-bbox="597 1304 1159 1499">One oral examination station with 2 staff members (20-30 minutes) To assess Knowledge and understanding and intellectual skills, practical , general skills</td> </tr> </tbody> </table> | | Examination | Type | Description | Final Examination | 1. Written | A three-hour written paper composed Long & short essay-type questions, MCQs (two papers-3 hours each) To assess Knowledge and understanding and intellectual skills, general skills | 3. Oral | One oral examination station with 2 staff members (20-30 minutes) To assess Knowledge and understanding and intellectual skills, practical , general skills |
| Examination | Type | Description | | | | | | | |
| Final Examination | 1. Written | A three-hour written paper composed Long & short essay-type questions, MCQs (two papers-3 hours each) To assess Knowledge and understanding and intellectual skills, general skills | | | | | | | |
| | 3. Oral | One oral examination station with 2 staff members (20-30 minutes) To assess Knowledge and understanding and intellectual skills, practical , general skills | | | | | | | |
| <p><u>TIME SCHEDULE:</u></p> | | | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="237 1581 824 1619">Exam</th> <th data-bbox="824 1581 1159 1619">Week</th> </tr> </thead> <tbody> <tr> <td data-bbox="237 1619 824 1665">1- exam</td> <td data-bbox="824 1619 1159 1665">15 weeks</td> </tr> </tbody> </table> | | Exam | Week | 1- exam | 15 weeks | | | | |
| Exam | Week | | | | | | | | |
| 1- exam | 15 weeks | | | | | | | | |
| <p>D) <u>Weighting System:</u></p> | | | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="237 1717 699 1755">Examination</th> <th data-bbox="699 1717 1159 1755">Marks allocated</th> </tr> </thead> <tbody> <tr> <td data-bbox="237 1755 699 1793">a- Written</td> <td data-bbox="699 1755 1159 1793">15 60%</td> </tr> <tr> <td data-bbox="237 1793 699 1831">b- Oral</td> <td data-bbox="699 1793 1159 1831">10 40%</td> </tr> <tr> <td data-bbox="237 1831 699 1892">Total</td> <td data-bbox="699 1831 1159 1892">25</td> </tr> </tbody> </table> | | Examination | Marks allocated | a- Written | 15 60% | b- Oral | 10 40% | Total | 25 |
| Examination | Marks allocated | | | | | | | | |
| a- Written | 15 60% | | | | | | | | |
| b- Oral | 10 40% | | | | | | | | |
| Total | 25 | | | | | | | | |

| ٨- قائمة الكتب الدراسية والمراجع : | |
|--|--------------------------------------|
| ----- | أ- مذكرات |
| 1 - Essential books (text books): - Gray's anatomy :Susan Standring et-al 2008 - Last:Anatomy regional & applied 2006. - T.W.Sadler:Medical embryology 2010 - Carpenter's:Human Neuroanatomy.1996 | ب- كتب ملزمة |
| Recommended books: - Cunningham:Romances,1997 - KeithMoore &Persaud:before we are born,2008 - BruceCarlson:Humanembryology&development,2009 | ج- كتب مقترحة |
| 3 - Periodicals, Web sites, ... etc: www.bfom.edu.eg | د - دوريات علمية أو نشرات ... الخ |

Course coordinator: Prof Dr. Abd-Elwanees Al-Awdan.

Head of Department: Prof Dr.Saadia Shalaby.

Date: 2 / 9 /2013

نموذج رقم (١٢)

جامعة: بنها

كلية: الطب

قسم: biochemistry

توصيف مقرر دراسي

| | | |
|---|---|--|
| ١- بيانات المقرر | | |
| الفرقة / المستوى / المستوى First Part of diploma Degree, Internal Medicine | اسم المقرر : biochemistry | الرمز الكودي : INTM 601 |
| <input type="checkbox"/> | عدد الوحدات الدراسية : نظري 1.5/week For 15 week | التخصص : diploma Degree, Internal Medicine |

| | |
|--|--------------------------|
| By the end of the course the student should be able to | ٢- هدف المقرر: |
| <ul style="list-style-type: none"> ▪ Provide fundamental aspects of medical biochemistry and molecular biology; ▪ Provide a sound knowledge and understanding of the biochemical importance of macro-, micronutrients, hormones and enzymes; | |
| ٣- المستهدف من تدريس المقرر : | |
| <p>2.a.1. Describe the main metabolic pathways of the three main dietary sources of energy: carbohydrates, fats and proteins, their digestion absorption, their oxidation to release energy.</p> <p>2.a.2 identify the regulation of these pathways and the integration of their metabolism</p> <p>2.a.3 discuss biochemical alteration in related metabolic disorders.</p> <p>2.a.4 illustrate the role of vitamins and enzymes required for catalysis of these processes, in addition to their deficiency manifestations.</p> <p>2.a.5 Describe the contribution of certain tissues like liver, kidney and muscles to metabolism in health and disease.</p> <p>2.a.6. discuss the metabolism of the major minerals and trace elements, their functions and alterations in metabolic processes due to deficiency or excess of these elements.</p> <p>2.a.7. describe nucleic acid metabolism with special emphasis on their role in protein synthesis.</p> <p>2.a.8 illustrate the general principles of genetic engineering and how may this be used for the diagnosis and management of diseases.</p> <p>2.a.9 Describe the components of some body fluids e.g. blood, urine and CSF.</p> | أ- المعلومات والمفاهيم : |
| <p>2.b.1 Analyze pathological glucose tolerance curve.</p> <p>2.b.2 Interpret medical laboratory reports.</p> | ب- المهارات الذهنية: |

| | | |
|---|-----------------------|-------------------|
| 2.c.3 Solve problems related to metabolic disturbances in a given case study report | ج-المهارات المهنية | |
| 2.d.1. communicate with others 2.d.2. Use available resources to get data& knowledge. | د - المهارات العامة : | |
| Course contents: | ٤- محتوى المقرر: | |
| Subject | Lectures (hrs) | % of Total |
| Blood pH regulation, acidosis and alkalosis | 2 | |
| Major pathways of glucose oxidation, Blood glucose regulation, hyper- and hypoglycemia, Diabetes Mellitus, galactosemia & glycogen storage disease. | 2 | |
| | 2 | |
| | 1.5 | |
| Plasma lipoproteins, hyperlipidemia, lipotropic factors, fatty liver, F.A. oxidation, ketosis, cholesterol metabolism, hypercholesterolemia and Atherosclerosis, Inborn errors of amino acids metabolism, urea cycle, NPN compounds | 1 | |
| | 1 | |
| | 1 | |
| Heme metabolism Porphyria and Jaundice | 1 | |
| Insulin, steroid, thyroidandparathyroid hormones | 1 | |
| Vitamins & their deficiency manifestation | 1 | |
| Calcium & phosphate homeostasis, sodium, potassium, iron and their deficiency manifestation. | 1 | |
| Hyperuricemia & gout | 1 | |
| DNA structure, replication, transcription,regulation of gene expression,DNA damage and repair . | ١ | |
| RNA structure, transcription and posttranscriptional modification | ١ | |
| Cell cycle, apoptosis &tumor markers | ١ | |
| Protein synthesis: translation and posttranslational modifications | ١ | |
| Recombinant DNA technology, blotting techniques. | ١ | |
| Plasma enzymes, their diagnostic values, Liver & kidney function tests | ١ | |
| Urine, blood and CSF: normal and abnormal constituents& their clinical relevance. | ١ | |
| Total | 22.5 | 100 |

| | | |
|---|--|--------------|
| 1 Modified lecture 2 Discussion 3 Practical classes | ٥- أساليب التعليم والتعلم | |
| | ٦- أساليب التعليم والتعلم للطلاب ذوى القدرات المحدودة لا ينطبق | |
| ٧- تقويم الطلاب : | | |
| B) Assessment TOOLS: final exam | | |
| أ- الأساليب المستخدمة | | |
| Tool | Purpose (ILOs) | |
| Written examination | Knowledge and understanding and intellectual skills | |
| Oral examination | Knowledge and understanding and intellectual skills, practical , general skills | |
| C) TIME SCHEDULE: | | |
| ب- التوقيت | | |
| Exam | | |
| 1- Final exam | 15 weeks | |
| D) Weighting System: | | |
| ج- توزيع الدرجات | | |
| Examination | Description | Marks |
| 1- Written exam | Written exam (1 -hour) composed of short essay questions, multiple choice questions and case study report. | 45 |
| 5- Oral exam | one session of oral examination | 30 |
| Total | | 75 |
| ٨- قائمة الكتب الدراسية والمراجع : | | |
| أ- مذكرات | | |
| ب- كتب ملزمة | | |
| Essential books: Harper's Biochemistry by: Roberk K. Murray, Daryl K. Granner, Peter A.Mayesand Victor W.Rodwell. | | |
| ج- كتب مقترحة | | |
| Recommended Books: Lippincott's illustrated Biochemistry | | |
| د - دوريات علمية أو نشرات ... الخ | | |
| Periodical websites: www.clinchem.org | | |

Course coordinator: Prof. Dr. Azza Elbermawy

Head of Department: Prof. Dr. Azza Elbermawy

Date: 10/9 / 2013

نموذج رقم (١٢)

جامعة: بنها

كلية: الطب

قسم : bacteriology

توصيف مقرر دراسي

| ١- بيانات المقرر | | |
|--|---|---|
| الفرقة / المستوى : 1st diploma Degree in internal medicine | اسم المقرر : Medical Microbiology & Immunology | الرمز الكودي : INTM (605) |
| <input type="checkbox"/> | عدد الوحدات الدراسية : نظري 0.5hr عملي /week ٠,٥ | التخصص : diploma Degree in internal medicine |

| | |
|---|--|
| <p><u>By the end of the course the student should be able to</u></p> <ul style="list-style-type: none"> Acquire the basic features of general bacteriology, virology, microbial genetics and mycology and to provide students with an understanding of the immune system, its protective functions and its role in the pathophysiology of infectious and non-infectious diseases. practice the principles infection control. | ٢- هدف المقرر : |
| <p><u>By the end of the course the student should be able to</u></p> <p>2a.1. Illustrate general bacterial morphology, physiology and genetics. 2.a.2. discuss the host parasite relationship and microbial pathogenesis. 2.a.3. Explain the physiology of the immune system, its beneficial role, its interaction with tumors, its deficiency conditions, as well as its detrimental role in hypersensitivity, autoimmunity and transplant rejection 2.a.4. Describe the morphology, culture, antigenic structure and virulence factors of microorganisms of medical importance 2.a.5. identify he most important skin and venereal infectious conditions and outline the diagnosis, treatment, prevention 2.a.6. Describe the most important methods of and control of the most likely organisms causing such diseases decontamination, sterilization and principles of infection control. 2.a.7. Describe the basics of antimicrobial chemotherapy and resistance. 2.a.8.explain the impact of molecular technology in microbiology and immunology.</p> | ٣- المستهدف من تدريس المقرر أ- المعلومات والمفاهيم : |

| | |
|--|---|
| <p>2.b.1. interpret medically important bacteria based on microscopic examination of stained preparations.</p> <p>2.b.2.construct Gram stain and a Ziehl-Neelsen stain.</p> <p>2. b.3. distinguish culture media and biochemical tests commonly used for bacterial identification and distinguish positive and negative results.</p> <p>2.b.4distinguish various sterilization processes and simple infection control measures</p> | <p>ب- المهارات الذهنية:</p> |
| <p>.2.c.1. use a Gram stain and a Ziehl-Neelsen stain.</p> <p>2.c.2 perform culture media and biochemical tests commonly 2.b.2used 2.b. for bacterial identification and distinguish positive and negative results.</p> <p>2.c.3. use various sterilization processes and simple infection control measures</p> | <p>ج- المهارات المهنية الخاصة بالمقرر :</p> |
| <p>2.d.1. Demonstrate Respect for patients' rights and involve them and /or their caretakers in management decisions.</p> <p>2.d.2. retrieve an empathic and holistic approach to the patients and their problems.</p> <p>2.d.3. evaluate the role and the contributions of other health care professionals regardless their degrees or rank (top management, subordinate or colleague).</p> <p>2.d.4. Conduct counseling sessions for prevention & control of different conditions for healthy individuals, for patients as well as their families.</p> | <p>د - المهارات العامّة :</p> |

| Subject | Lectures (hrs) | ٤- محتوى المقرر: | | | | | | | | | | | | | |
|--|----------------|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Introduction to Microbiology, Bacterial Cell, Structure Disinfection and Sterilization | ٠,٥ | | | | | | | | | | | | | | |
| Host parasite relationship Bacterial genetics (application of recombination and gene therapy) Antimicrobial chemotherapy | ٠,٥ | | | | | | | | | | | | | | |
| Staphylococci , streptococci, and Neisseria Pneumococc | ٠,٥ | | | | | | | | | | | | | | |
| Corynebacteria, Bacillus Group& Clostridium | ٠,٥ | | | | | | | | | | | | | | |
| Mycobacteria , Gram negative bacilli except <u>campylobacter,H.pylori</u>)& Gram negative small rods (all except moraxella, and in Haemophilus only Haemophilus influenza) | ٠,٥ | | | | | | | | | | | | | | |
| Spirochaetes , Mycoplasma , Rickettsia Chlamydia , Coxilla, Legionellae pneumophila & Listeria | ٠,٥ | | | | | | | | | | | | | | |
| Anaerobic gram negative bacilli Anaerobic gram negative cocci Applied Microbiology: (<u>meningitis, respiratory tract infection, urinary tract infection, Bacterial food poisoning, water borne diseases, milk borne diseases, Hospital acquired infections, diseases transmitted from the mother to the fetus</u>). | ٠,٥ | | | | | | | | | | | | | | |
| Cells of immune response. Natural & acquired immunity. Immune response. | ٠,٥ | | | | | | | | | | | | | | |
| Antigens, antibodies , complement, cytokines. Cell mediated immunity, MHC, Apoptosis & necrosis, Superantigen | ٠,٥ | | | | | | | | | | | | | | |
| Hypersensitivity, Autoimmune diseases, Immunodeficiency, diseases, Tumor immunology, Transplantation immunology | ٠,٥ | | | | | | | | | | | | | | |
| General virology: Structure, Lab. Diagnosis (idea), Viral replication (idea), Antiviral chemotherapy, Antiviral immunity, Pathogenesis of viral diseases, viral vaccines | ٠,٥ | | | | | | | | | | | | | | |
| <u>Herpesviruses-Adenoviruses-Picornaviruses-Rabies Virus</u> <u>Arboviruses-Coronaviruses</u> | ٠,٥ | | | | | | | | | | | | | | |
| Orthomyxoviruses & Paramyxoviruses , human immunodeficiency virus (HIV), hepatitis Viruses | ٠,٥ | | | | | | | | | | | | | | |
| Mycotoxins- Antifungal drugs | 0.5 | | | | | | | | | | | | | | |
| Deep mycotic infections | 0.5 | | | | | | | | | | | | | | |
| Total | ٧,٥ | | | | | | | | | | | | | | |

| 1- Modified lectures 2- Discussion 3- Practical classes | - أساليب التعليم والتعلم | | | | | | | | | | | | | | | | | | |
|---|--|------------------|----------------------|--|-------------------|----------------|---------------------|----|-----|------------|----|-----|---------|----|-----|--------------|-----------|-------------|--|
| لا ينطبق | ٦- أساليب التعليم والتعلم للطلاب ذوى القدرات المحدودة | | | | | | | | | | | | | | | | | | |
| ٧- تقويم الطلاب : | | | | | | | | | | | | | | | | | | | |
| a) Examination description: | أ- الأساليب المستخدمة | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Examination</th> <th>ILOs</th> </tr> </thead> <tbody> <tr> <td>2- Final exam</td> <td rowspan="4">Knowledge and understanding and intellectual skills, practical , general skills (MCQs) –short & long essay problem solving cases & Experimental models</td> </tr> <tr> <td>a- Written</td> </tr> <tr> <td>b- Oral</td> </tr> <tr> <td>c- Practical</td> </tr> </tbody> </table> | Examination | ILOs | 2- Final exam | Knowledge and understanding and intellectual skills, practical , general skills (MCQs) –short & long essay problem solving cases & Experimental models | a- Written | b- Oral | c- Practical | | | | | | | | | | | | |
| Examination | ILOs | | | | | | | | | | | | | | | | | | |
| 2- Final exam | Knowledge and understanding and intellectual skills, practical , general skills (MCQs) –short & long essay problem solving cases & Experimental models | | | | | | | | | | | | | | | | | | |
| a- Written | | | | | | | | | | | | | | | | | | | |
| b- Oral | | | | | | | | | | | | | | | | | | | |
| c- Practical | | | | | | | | | | | | | | | | | | | |
| -C) TIME SCHEDULE: | ب- التوقيت | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>5- Final exam</td> <td>15 weeks</td> </tr> </table> | 5- Final exam | 15 weeks | | | | | | | | | | | | | | | | | |
| 5- Final exam | 15 weeks | | | | | | | | | | | | | | | | | | |
|) Weighting System: | ج- توزيع الدرجات | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Examination</th> <th>Marks allocated</th> <th>% of Total Marks</th> </tr> </thead> <tbody> <tr> <td>- Final exam:</td> <td></td> <td></td> </tr> <tr> <td>a- Written</td> <td>٢٥</td> <td>%٥٠</td> </tr> <tr> <td>b-clinical</td> <td>١٥</td> <td>%٣٠</td> </tr> <tr> <td>c- Oral</td> <td>١٠</td> <td>%٢٠</td> </tr> <tr> <td>Total</td> <td>٥٠</td> <td>100%</td> </tr> </tbody> </table> | Examination | Marks allocated | % of Total Marks | - Final exam: | | | a- Written | ٢٥ | %٥٠ | b-clinical | ١٥ | %٣٠ | c- Oral | ١٠ | %٢٠ | Total | ٥٠ | 100% | |
| Examination | Marks allocated | % of Total Marks | | | | | | | | | | | | | | | | | |
| - Final exam: | | | | | | | | | | | | | | | | | | | |
| a- Written | ٢٥ | %٥٠ | | | | | | | | | | | | | | | | | |
| b-clinical | ١٥ | %٣٠ | | | | | | | | | | | | | | | | | |
| c- Oral | ١٠ | %٢٠ | | | | | | | | | | | | | | | | | |
| Total | ٥٠ | 100% | | | | | | | | | | | | | | | | | |
| ٨- قائمة الكتب الدراسية والمراجع : | | | | | | | | | | | | | | | | | | | |
| -\ Lectures on Medical Virology: Department book | أ- مذكرات | | | | | | | | | | | | | | | | | | |
| 1. Jawetz, Melnick and Adelberg's <i>Medical Microbiology</i> 2. <i>Mackie & McCartney Practical Medical Microbiology</i> . 3. Abul K. Abbas Cellular and molecular immunology. 4. Basic Immunology: Department book. | ب- كتب ملزمة | | | | | | | | | | | | | | | | | | |
| Lpincott's Microbiology illusterated review | ج- كتب مقترحة | | | | | | | | | | | | | | | | | | |

| | |
|---|--|
| <ol style="list-style-type: none"> 1. asmnews@asmusa.org 2. http://www.phage.org/black09.htm 3. http://www.microbe.org/microbes/virus_or_bacterium.asp 4. http://www.bact.wisc.edu/Bact330/330Lecturetopics 5. http://whyfiles.org/012mad_cow/7.html 6. http://www.microbelibrary.org 7. http://www.hepnet.com/hepb.htm 8. http://www.tulane.edu/~dmsander/Big_Virology/BVHomePage.html 9. http://www.mic.ki.se/Diseases/c2.html 10. http://www.med.sc.edu:85/book/welcome.htm <p>http://www.bioiogy.arizona.edu/immunology/microbiology_immunology.html</p> | <p>د – دوريات علمية أو نشرات ... الخ</p> |
|---|--|

استاذ المادة: Prof. Waffa Al

رئيس القسم: prof. dr Amal Aboelfadal

التاريخ : 9/2013

نموذج رقم (١٢)

جامعة : بنها
كلية : الطب
قسم : الفارما كولوجي

توصيف مقرر دراسي

| ١- بيانات المقرر | | |
|---|--|---|
| الفرقة / المستوى : 1 st part diploma degree of internal medicine | اسم المقرر : Clinical Pharmacology | الرمز الكودي : INTM 603 |
| عدد الوحدات الدراسية : نظري ٢ hr/week عملي <input type="text"/> | | التخصص : diploma : degree of internal medicine |

| | | |
|--|--|--------------------------|
| <u>By the end of the course the student should be able to</u> | | ٢- هدف المقرر : |
| <ul style="list-style-type: none"> • Provide the basic knowledge about commonly used groups of drugs affecting different body systems. • provide drugs implications in therapy of diseases and health promotion. | | |
| ٣- المستهدف من تدريس المقرر : | | |
| <u>By the end of the course the student should be able to</u> | | |
| <p>2.a.1.Describe the indications, the relative advantages and disadvantages of various therapeutic modalities (Pharmacological and non-pharmacological) for common and life threatening illnesses.</p> <p>2.a.2.Identify proper methods intervention for common and life threatening illnesses (whether noninvasive and or, invasive).</p> <p>2.a.3. discuss the precautions, limitations of drugs with narrow safety margin.</p> <p>2.a.4discuss methods for ameliorating sufferings of critically ill patients and emergency conditions</p> | | أ- المعلومات والمفاهيم : |
| <p>2.b.1 analyze accurately drug's dosage, bioavailability, plasma half-life and volume of distribution in different patient populations.</p> <p>2.b.2.interpret drug history of the patient.</p> <p>2.b.3.analyze drug adverse reactions.</p> <p>2.b.4. distinguish the questioning approach to own work & that of others to solve clinical problems</p> | | ب- المهارات الذهنية: |
| <p>2.c.1 write prescription avoiding drug interaction</p> <p>2.c.2 record a comprehensive drug history of the patient.</p> | | ج- المهارات المهنية |

- 2.d.1.Establish** life- long self- learning required for continuous professional development.
- 2.d.2.Use** the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.
- 2.d.3.Retrieve**, information by all means, including electronic means.
- 2.d.4 Establish** effective interpersonal relationship to communicate ideas and arguments

د - المهارات العامة :

3- Course contents

| Topics | Lectures (Hrs) |
|-----------------------------------|-------------------|
| 1-General pharmacology | 2 |
| 2-Autonomic nervous system | 2 |
| 3-Ocular pharmacology | 2 |
| 4-Skeletal muscle relaxants | 2 |
| 5-Autacoids | 1 |
| 6-Respiration | 1 |
| 7-Renal pharmacology | 1 |
| 8-Cardio-vascular pharmacology | 1 |
| 9-Blood and blood forming organs | 1 |
| 10-Psycho-neuro-pharmacology | 1 |
| 11-Hormones and their antagonists | 1 |
| 12-Gastro-intestinal tract | 1 |

٤- محتوى المقرر:

| | | |
|--|--|---|
| 13-Chemotherapy oral antiseptics | 1 | |
| 14-Drug abuse | 1 | |
| 15-Drug interactions | 1 | |
| 16-Chelating agent | 1 | |
| 17-Vitamins and food supplements | 1 | |
| 18- Immunopharmacology | 1 | |
| 19- Pharmaco-economics | 1 | |
| 20- Pharmacogenetics | 1 | |
| 21- Cancer chemotherapy | 1 | |
| 22- Gene therapy | 1 | |
| 23- Iatrogenic disease | 1 | |
| 24 -Prescription writing | 1 | |
| 25- Choice of proper drug | 1 | |
| 26- Problem based solving | 1 | |
| Total | 30 | |
| 1. Modified lectures 2. discussion, brain storming 3. practical sessions | | - أساليب التعليم والتعلم |
| لاينطبق | | ٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة |
| | | ٧- تقويم الطلاب : |
| <u>-E) Examination description:</u> | | أ- الأساليب المستخدمة |
| Examination | Description | |
| 2- Final exam a- Written c- Oral | Knowledge and understanding and intellectual skills, practical , general skills (MCQs) –short & long essay problem solving cases & Experimental models | |

| | | |
|--|------------------------|-----------------------------------|
| 5.C) TIME SCHEDULE: | | ب- التوقيت |
| Exam | Week | |
| 3-Assessment | 15 weeks later | |
| D) Weighting system: | | ج- توزيع الدرجات |
| Examination | Marks allocated | % of total Marks |
| 2- Final Examination | 100 | |
| a- Written | 60 | 60% |
| c- Oral | 40 | 40% |
| Total | 100 | 100% |
| ٨- قائمة الكتب الدراسية والمراجع : | | |
| ----- | | أ- مذكرات |
| 6.2 Essential Books (Text Books): Principles of pharmacology (2005): the pathophysiologic basis of drug [et al.], Philadelphia : Lippincott Williams & Wilkins. | | ب- كتب ملزمة |
| Recommended Books: GOODMAN AND GILMAN (2005): THE PHARMACOLOGICAL BASIS OF THERAPEUTICS 11 th edition | | ج- كتب مقترحة |
| 6.4- web Sites: www.micromedex.com | | د - دوريات علمية أو نشرات ... الخ |

Course Coordinator: Prof. Dr. Mohaned Mohammed Ibrahim Shehab

Head of Department: Prof. Dr. Mohaned Mohammed Ibrahim Shehab

Date : 9/2013

جامعة بنها

كلية الطب

قسم : الباطنة العامة

توصيف مقرر دراسي internal medicine

| ١- بيانات المقرر | | |
|--|--------------------------------------|----------------------------|
| الفرقة / المستوى : 1 st diploma of internal medicine | اسم المقرر : internal medicine | الرمز الكودي : INTM 607 |
| | عدد الوحدات الدراسية: نظري ٩ وعلمي ٦ | التخصص : |
| By the end of the course the student should be able to <ul style="list-style-type: none">• provide internal medicine common diseases and syndromes• perform the skills essential for internal medicine practice clinical practices• Use the technological method in accept the advanced knowledge in internal medicine branches | | ٢- هدف المقرر : |
| ٣- المستهدف من تدريس المقرر : By the end of the course the student should be able to | | |
| 2.a. Knowledge and Understanding: 2.a.1 identify basic scientific knowledge of chest/ cardiac /neuron/abdomen of internal medicine 2.a.5 discuss the Bidirectional influence between studying Internal medicine and other discipline. 2.a.6 describe the importance of imaging technique ,ECHO ,Chest X rays and other tools in diagnosis of medical diseases. 2.a.9 Identify different studied medical diseases symptoms ,signs epidemiological Features and lines of treatment | | أ- المعلومات والمفاهيم : |
| 2.b.1 Interpret the diagnostic modalities as investigations (ECG, Laboratory findings & others) of such sources include text books 2.b.2 Interpret the initial symptoms and signs of the patient and how help the physician in diagnosis .and decision making. 2.b.3 Analyze case scenarios of different medical diseases to reach to proper treatment plans for common medical problems. 2.b.4 Determine the medical problems in the field of internal medicine, try to its solve . 2.b.5 take decisions in the light of available information 2.b.6 Evaluate risk of internal medicine practice | | ب- المهارات الذهنية: |

| | |
|--|-----------------------------------|
| <p>2.c.1Apply the information of clinical practices as clinical sheets including: history taking, general & local, examination of chest /cardio/neuron/abdomen/ locomotors system.</p> <p>2.c.2Apply investigational database as electrocardiography principles, principles cardiology, chest and CT brain, e.g. X-ray, CT and CT</p> <p>2.c.3 Observe & Detect symptoms and signs of the studied disease.</p> <p>2.c.4 perform simple bed side tests clinical procedures</p> <p>2.c.5apply proper medical treatment for various common medical problems</p> <p>2.c.6 manage different medical emergencies properly</p> <p>2.c.7.perform common medical technique as commonly used diagnostic namely, pleural fluid, pericardial, abdominal and joint fluid aspiration :take an electrocardiogram tracing and be able to interpret their finding</p> <p>2.c.8 write report needed in internal medicine field .</p> | <p>ج. مهارات مهنية وعملية</p> |
| <p>2.d.1Retrieve, manage, and manipulate information by all means, including electronic means, in a timely manner to effectively participate in medical seminars and conferences. In internal medicine and its related fields</p> <p>2.d.2 Establish life-long self-learning required for continuous professional development.</p> <p>2.d.3 respond effectively to patient s emotions and psychological concern .</p> <p>2.d.4. Work effectively as a member or leader of a health care team or other professional groups (teach others and evaluate their work).</p> <p>2. D.5.Communicate effectively with physicians, other health professionals, and health related agencies.</p> <p>2. D.6.Demonstrate compassion, integrity, and respect for all patient's rights and treat all patients equally regardless to their believes, culture and behavior.</p> | <p>د - المهارات العامة :</p> |

| | |
|--|---|
| <p style="text-align: center;">Subject</p> <p>Cardiovascular diseases Respiratory diseases Gastrointestinal diseases Hepatic diseases Neurological diseases Cardinal manifestation and presentation of the diseases Genes , the environment and diseases Nutrition Neoplastic disorders Infectious diseases Diseases of the gastrointestinal tract Diseases of the Liver, gall bladder, pancreas Diseases of the lymphatic system, spleen , blood Diseases of the endocrine Types of biopsies. Diagnostic methods Disorders of the joint and Endocrinology and metabolism Immune system and health diseases Disorders in bone and minerals Nerve and muscle diseases Psychiatric disorders Alcoholism and drug dependence Poisoning drug overdose Chronic fatigue syndrome</p> | <p>٤ - المحتوي العلمي</p> |
| <p>4- Teaching and learning methods: <u>METHODS USED</u></p> <p>حضور جميع المحاضرات النظرية بالقسم مرور داخلي في الأقسام يوميا إجتماع علمي موسع ندوة الدوريات الحديثة يوميا دروس إكلينيكية</p> | <p>٥ - أساليب التعليم والتعلم</p> |
| | <p>٦ - أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة</p> |
| | <p>٧- تقويم الطلاب :</p> |

| | | | |
|--|--|-------------------------|-----------------------------------|
| B) Assessment TOOLS: | | | أ- الأساليب المستخدمة |
| Tool | Evidence | | |
| Written examination: • MCQs | Attached module of examination | | |
| Oral examination | Oral exam. Reports | | |
| Clinical exam | Short assay Long case ECG X-ray | | |
| TIME SCHEDULE: final exam by the end of the course | | | ب- التوقيت |
|) Weighting System: | | | ج- توزيع الدرجات |
| Examination | Marks allocated | % of Total Marks | |
| 5- Final exam: | | | |
| a- Written | 450 | 50% | |
| b- Oral | 270 | 20% | |
| c- clinical | 180 | 30% | |
| Total | 900 | 100% | |
| ٨- قائمة الكتب الدراسية والمراجع : | | | |
| 6- List of references: | | | أ- مذكرات |
| 6.1- <u>Basic materials:</u> <u>Hand out of lectures prepared by staff which given to the students after each lectures</u> | | | |
| .2- <u>Essential books (text books):</u> Davidson ,s principles &practice of medicine 21 st Edition volume1,2 page1356 Nicki R . Colledge ; B rian R . walker ; Stuart H . Ralston (2007): Dan L.Longo,MD ; Anthony S.fauci ,MD and Dennis L. Kasper , MD (2012): | | | ب- كتب ملزمة |
| Harrison s principles of internal medicine, Volume1 ISBN 978-7-07-163244-7;MHID 0-07-163244-x Volume2 ISBN978-7-07-174288-7; MHID0-07-174889- | | | ج- كتب مقترحة |
| - <u>Periodicals, Web sites, etc:</u> - http://www.pubmed.com . - http://sciencedirect.com | | | د - دوريات علمية أو نشرات ... الخ |

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استاذ المادة: أ.د. عبد الشافي طبل