



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Medical Analysis		Module Delivery	
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar	
Module Code	UOMU03070			
ECTS Credits	5			
SWL (hr/sem)	125			
Module Level	3	Semester of Delivery		2
Administering Department	Biotechnology Medical	College	Sciences of college	
Module Leader	Alaa Hadi Shaker		e-mail	Alaa.Hadi.Shaker@uomus.edu.iq
Module Leader's Acad. Title	Assistance professor		Module Leader's Qualification	Ph.D.
Module Tutor	Name (if available)		e-mail	E-mail
Peer Reviewer Name	Name		e-mail	E-mail
Scientific Committee Approval Date		Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	MBT-2317, MBT-24114		Semester
Co-requisites module			Semester

Module Objectives أهداف المادة الدراسية	<ul style="list-style-type: none"> To study the physiological structure of the human body. give the student a foundation for advanced study in health care, physiology, pathology, and other fields related to health and fitness. At the end of the course the student should be familiar with the histological description of the human body.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	After successful completion of the course, the student will be able to: 1. Familiarity with working principles, tools and techniques in the field Medical analysis 2. Understanding of the strengths, limitations and potential uses of medical analysis how to samples to collection.
Indicative Contents المحتويات الإرشادية	

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Classroom lectures and discussions. 2. Case studies and examples from original research articles.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	64	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	4
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	61	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	0
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10	4, 6, 10	#1 and #2, #3-#5, #9
	Assignments	2	10	13 and 14	#1 and #12
	Projects / Lab.	1	10	continuous	all
	Report	1	10	15	#14
Summative assessment	Midterm Exam	2h	10	7	#1-#6, #8-#14
	Final Exam	3h	50	16	all
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	General items & tests abbreviation
Week 2	Predisposing factors of infectious diseases
Week 3	Cardiovascular diseases
Week 4	Gastrointestinal diseases
Week 5	Skin diseases
Week 6	Med Exam.
Week 7	Sexually transmitted diseases
Week 8	Oncogenic diseases -1
Week 9	Oncogenic diseases -2
Week 10	Family planning include maternal infections, vaccination
Week 11	Introduction to immunology
Week 12	Autoimmune diseases
Week 13	Cancer markers
Week 14	B& T cells. Immune deficiency diseases,
Week 15	Final Exam.

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Methods of Samples collection
Week 2	Urine analysis: Microscopic examination, Bacteriological examination
Week 3	Serological Examinations: Widal, Broccella, CMV, Toxoplasma, PT etc.....
Week 4	Blood glucose, OGTT
Week 5	Renal Function testes
Week 6	Liver function tests
Week 7	Med Exam.
Week 8	Lipid profile tests
Week 9	Enzymology diagnostic tests
Week 10	Thyroid function test
Week 11	Hormones tests
Week 12	Allergy Tests
Week 13	Autoimmune diseases tests
Week 14	Final exam

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?

Required Texts	<ul style="list-style-type: none"> • Medical microbiology, 24th ed.2007 by Jawetz. • Lippincotts illustrated review microbiology, 2nd ed. by Harvy. → A color atlas of microbiology by Old, RJ. 	
Recommended Texts	<ul style="list-style-type: none"> • Clinical Chemistry & Metabolic Medicine ,Crook. 2012. • Tietz Clinical Chemistry& Molecular Diagnostics, 2012. 	
Websites		

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				