



جمهورية العراق
وزارة التعليم العالي والبحث العلمي
جامعة المستقبل
كلية العلوم – قسم التقنيات الاحيائية

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	General biology- Botany		Module Delivery	
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar	
Module Code	UOMU 03701			
ECTS Credits	6			
SWL (hr/sem)	150			
Module Level	1	Semester of Delivery		1
Administering Department	Type Dept. Code	College	Type College Code	
Module Leader	Manar Kadim Hassan		e-mail	manar.kadhim.hassan@uomus.edu.iq
Module Leader's Acad. Title		Module Leader's Qualification	Msc.	
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	Plant tissues, plant physiology	Semester	3,4
Co-requisites module		Semester	

Module Aims, Learning Outcomes and Indicative Contents	
أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Objectives أهداف المادة الدراسية	1. This course is designed to give students not majoring in the essential background in science of plant. 2. Understand microscope and plant parts. 3. The material covered includes basic biological concepts and fundamental principles of microscope and plant in all steps. 4. Illustrated the various types of plants ,layers ,functions and lives.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Give an introduction of plant structure 2. List various experiments of parts of plant . 3. Explain and understanding the plant layers and appendices of epidermis. 4. . Discuss the living and non-living components.
Indicative Contents المحتويات الإرشادية	In lecture lab #1-#5 they will need (15hr). In lecture lab #7- #13 they will need (56hr). In lecture lab #15 they will need (15hr).

Learning and Teaching Strategies	
استراتيجيات التعلم والتعليم	
Strategies	Expanding their critical thinking skills through classes, interactive tutorials and by considering types of simple experiments involving some slide showing that are interesting to the students.

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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	86	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	150		

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10	3, 5, 10	#1 and #2, #3-#4, #
	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	2h	50	16	all
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المناهج الاسبوعي النظري

	Material Covered
Week 1	Plant kingdom
Week 2	The important of plant
Week 3	Plant morphology
Week 4	Plant taxonomy
Week 5	Plant tissues :Leaf, Stem
Week 6	Mid exam
Week 7	Growth & development
Week 8	Plant tissues: Root , dicot
Week 9	Stress of plants
Week 10	Plant movements
Week 11	Plant movements
Week 12	Plant physiology
Week 13	Plant ecology
Week 14	Plant pathology
Week 15	Plant pathology
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المناهج الاسبوعي للمختبر

	Material Covered
Week 1	The microscope

Week 2	Plant cell
Week 3	Plant components
Week 4	mitosis
Week 5	Mid exam
Week 6	Primary meristem
Week 7	epidermis
Week 8	Dicot & monocot plants
Week 9	Parenchyma tissues & collenchyma tissues
Week 10	First mid Exam
Week 11	Sclerenchyma tissues
Week 12	root
Week 13	stem
Week 14	Leaf & flower
Week 15	Preparatory week before the final Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Fundamental of plant biology	
Websites	related scientific papers	

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.