



الملحق ٤ : وصف المادة الدراسية

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Animal Nutrition		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input checked="" type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input checked="" type="checkbox"/> Seminar
Module Code	VET205		
ECTS Credits	6		
SWL (hr/sem)	150		
Module Level	2	Semester of Delivery	
Administering Department	Public health	College	Veterinary medicine
Module Leader	Bahaa Abdulhussein Hantoosh	e-mail	bahaa.hantoosh@uobasrah.edu.iq
Module Leader's Acad. Title	Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Bahaa Abdulhussein Hantoosh	e-mail	bahaa.hantoosh@uobasrah.edu.iq
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	15/09/2025	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Aims</p> <p>أهداف المادة الدراسية</p>	<ol style="list-style-type: none"> 1. Providing comprehensive education in learning and training students on how to raise and animal nutrition. 2. To prepare students for a wide range of post-baccalaureate pathways, including graduate studies, apprenticeship programs, or entry-level jobs in any field. 3. Providing intensive practical training on the principles of animal nutrition. 4. Providing comprehensive training in written and oral communication of scientific information 5. Enriching students with alternative education opportunities in the field of animal nutrition through university research, internships, and study abroad.
<p>Module Learning Outcomes</p> <p>مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none"> 1: Introducing students to the importance of animal to the consumer and how to animal nutrition in the field of veterinary medicine. 2: Students will learn about the importance of the veterinary project and the types of animal nutrition and fields in the country. 3 Laboratory and field studies Graduates will be able to conduct laboratory experiments and field studies, using scientific equipment and direct observation while observing appropriate safety protocols. 4. Scientific knowledge Developing students' skills in the field of animal nutrition 5. Data analytics Developing students' abilities to exchange ideas and know the scientific foundations of animal nutrition field management 6. Critical thinking To reduce the risk of zoonotic diseases or the transmission of animal diseases to humans

	<p>While visiting fields, activities that assist birds, animal therapy, and the resident/facility Animal programs.</p>
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <ol style="list-style-type: none"> 1. Importance Of Nutrition of Farm Animals and Importance Of Water in Animal Feeding. 2. Digestion In Farm Animals and Carbohydrate Metabolism 3. Protein Digestion, Metabolism and Evaluation and Lipids Metabolism 4. Total Digestible Nutrients (TDN) and Dietary Energy and Its Partition in Animal 5. Digestibility Trials and Essential Trace Elements Classification, Importance to Animal Feeding 6. Vitamins In Animal Nutrition, Classification and Water Soluble Vitamins and Fat Soluble Vitamins 7. Major Essential Trace Element and Minor Essential Trace Element 8. Broiler Feeding and Layers Feeding and Egg Production 9. Determination Of Moisture and Determination Of Moisture For Green Forages 10. Determination Of Ash and Determination Of Silica 11. Preparation Of Standard Solution and Determination Of Crude Protein 12. Determination Of Ether Extract and Determination Of Crude Fiber 13. Determination Of Soluble Carbohydrate and The Expression Of Results On Dry Matter Basis 14. Determination Of Gross Energy Part 1 and Determination Of Gross Energy Part 2



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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes, interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	78	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	6
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	72	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	6.5
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	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Importance Of Nutrition of Farm Animals and Importance Of Water in Animal Feeding
Week 2	. Digestion In Farm Animals
Week 3	. Carbohydrate Metabolism
Week 4	. Protein Digestion, Metabolism and Evaluation
Week 5	Lipids Metabolism and Total Digestible Nutrients (TDN)
Week 6	. Dietary Energy and It Is Partition in Animal
Week 7	. Digestibility Trials
Week 8	. Essential Trace Elements Classification, Importance to Animal feeding and Vitamins In Animal Nutrition, Classification
Week 9	Major Essential Trace Element
Week 10	. Minor Essential Trace Element
Week 11	. Water Soluble Vitamins
Week 12	. Fat Soluble Vitamins
Week 13	. Broiler Feeding
Week 14	. Layers Feeding and Egg Production
Week 15	. Exam



Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	How To Use Nutrition Laboratory
Week 2	. What Are The Feedstuffs Approximate Analysis
Week 3	. Determination Of Moisture
Week 4	. Determination Of Moisture For Green Forages
Week 5	. Determination Of Ash
Week 6	. Determination Of Silica
Week 7	. Preparation Of Standard Solution
Week 8	. Determination Of Crude Protein
Week 9	. Determination Of Ether Extract
Week 10	. Determination Of Crude Fiber
Week 11	. Determination Of Soluble Carbohydrate
Week 12	. The Expression Of Results On Dry Matter Basis
Week 13	. Determination Of Gross Energy Part 1
Week 14	. Determination Of Gross Energy Part 2
Week 15	. Exam

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	1. غذاء وتغذية الحيوانات الحقلية 2. التغذية العلمية للحيوانات الحقلية ب. وقود الحياة	Yes
Recommended Texts	تغذية الحيوانات المزرعية .	No
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 with 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.