



**Jordan University of Science and Technology**  
**Faculty of Veterinary Medicine**  
**Veterinary Medicine And Surgery Department**

VM235 Entomology

Summer Semester 2023-2024

**Course Catalog**

2 Credit Hours. By the end of this course the students will have a thorough understanding of the external parasites of veterinary importance including identification, life cycle, pathogenesis, treatment, control and techniques for diagnosis.

**Teaching Method:** Electronic Course

**Text Book**

<b>Title</b>	Medical and Veterinary Entomology
<b>Author(s)</b>	Gary Mullen, Lance Durden
<b>Edition</b>	1st Edition
<b>Short Name</b>	Ref 1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Veterinary Ectoparasites: Biology, Pathology and Control	Gary Mullen, Lance Durden	2nd Edition	

**Instructor**

Name	<b>Dr. Rami Mukbel</b>
Office Location	G1L2
Office Hours	
Email	rmmukbel@just.edu.jo

**Class Schedule & Room**

Section 1:

Lecture Time: Sun, Tue : 18:00 - 19:00

Room: متزامن الحضور منصة الكترونية

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction to Veterinary Entomology	
Week 1	Epidemiology of Vector-Borne Diseases	
Week 2	Cockroaches Lice Fleas Kissing bugs	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 3	BedBugs Beetles Flies (Diptera)	
Week 4	Muscid Flies Moth fly and Sand fly Horse fly and Deer fly	
Week 5	Biting midges Black flies Tsetse fly Myiasis	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 6	Myiasis , Forensic medicine	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 7	Mosquitos Louse, keds Scorpions and Spiders	From <b>Ref 1</b> , From <b>Ref 2</b>
Week 8	Mites Ticks	From <b>Ref 1</b> , From <b>Ref 2</b>

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understanding of the external parasites of veterinary importance	25%	Mid exam
Understanding of the external parasites identification,	25%	Mid exam
Understanding of the external parasites life cycle, pathogenesis, treatment and control	25%	Final
understanding of the external parasites techniques for diagnosis.	25%	Final

**Relationship to Program Student Outcomes (Out of 100%)**

1	2	3	4	5	6	7	8	9	10

**Evaluation**

Assessment Tool	Weight
Mid exam	60%
Final	40%

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