

543 ZOO Contents

Biological membranes and their functions. The chemical nature of genetic material, the cellular and molecular basis of chromosomes. DNA replication, gene expression and its regulation in prokaryotes, cellular tissue contents of bone marrow, brain and kidneys, macrophages, mast cells and the general functions of these tissues

Introduction	20/1/2025
Lecture 1	27/1/2025
Lecture 2	3/2/2025
Lecture 3	10/2/2025
HOMEWORK 1	17/2/2025
Lecture 4	24/2/2025
Lecture 5	3/3/2025
Midterm exam	10/3/2025
Lecture 6	17/3/2025
Lecture 7	24/3/2025
HOMEWORK 2	31/3/2025
Lecture 8	7/4/2025
Lecture 9	14/4/2025
Lecture 10	21/4/2025
General discussion	28/4/2025
Final exam	5/5/2025

(10 درجات) HOMEWORK 1	17/2/2025
(10 درجات) MIDTERM EXAM	10/3/2025
(10 درجات) HOMEWORK 2	31/3/2025

TAKE HOME EXAM

Include the following

- 1- Table of content**
- 2- Introduction**
- 3- Mechanism of action**
- 4- Applications**
- 5- References**

First take home

DNA replication errors and diseases.

Second take home

cellular tissue contents of brain and function.