

Syllabus of Microbial Toxins Course (2023/2024)

PhD Microbiology
Coordinator- Prof. Dr. Inam Jasim Lafta

Theoretical Subjects

| | Week | Title of Lecture | Lecturer |
|------------------|-----------------|---|-----------|
| Bacterial Toxins | 1 | Bacterial Toxins, Characteristics and Nomenclature | Dr. Inam |
| | 2 | General Structure of Toxins | |
| | 3 | Mechanisms of Action | |
| | 4 | Continue Mechanisms of Action, Bacterial Genotoxins | |
| | 5 | Internalization of Genotoxins & their Effects, Toxins Secretion, Implication of Bacterial Protein Toxin | |
| | 6 | Examples of Important Bacterial Toxins | |
| 7 | Mid Examination | | |
| Mycotoxins | 8 | Definition and Classification of Mycotoxins | Dr. Dalia |
| | 9 | Strategies for the Control of Mycotoxins Problems | |
| | 10 | Factors Affecting on Mycotoxins Production | |
| | 11 | Effects of Mycotoxins on Animal Health | |
| | 12 | Major Mycotoxins Posing Food Safety Risks <i>Aspergillus</i> Toxins (Aflatoxin and Ochratoxin A) | |
| | 13 | <i>Fusarium</i> Toxins (Fumonisin and Trichothicence) | |