



King Saud University
College of Science
Department of Botany and Microbiology

Fine Microbial Structure (222MBIO)

Course Description

This course is intended to provide a basic fundamental learning about fine structure of Microorganism cells and related function.

List of Topics

1. Welcoming and discuss the syllables
2. Comparing prokaryotic and Eukaryotic Cells : An over view
3. Structures External to the cell Wall of prokaryotic: The glycocalyx/ Flagella/ axial filaments/ fimbriae and pili
4. Prokaryotic Cell Wall
5. Structure Internal to cell wall of prokaryotic: Plasma membrane cytoplasm
6. Structure Internal to the cell wall of prokaryotic: The nucleoidRibosomes
7. Structure Internal to the cell wall of prokaryotic: Inclusion /Endospores
8. Structures External to the Cell Wall of Eukaryotic: Flagella and cilia /Plasma membrane /Cytoplasm
9. Eukaryotic cell wall and nucleus
10. Eukaryotic Cell Organelles: structure and function