



Code	Subject Title	Cr. Hrs	Semester
ZOOL-430	Lab. Bacteriology	1	VIII
Year	Discipline		
4	Zoology		

Course Contents

Microscopic examinations of microorganisms' wet mount, hanging drop method; Gram's staining, Negative staining capsular staining Preparation and sterilization of growth media. Viable counting of bacteria, correlating number/cell mass with optical density, making and preservation of pure cultures of bacteria evaluating bacteriostatic and bactericidal effects of antimicrobial agents, antibiotic susceptibility of some bacterial isolates, some physiochemical tests of bacteria.

Recommended Books

- Pelczar, M.J. Jr., Chan, E.C.S. and Krieg, N.R. 1986. Microbiology– McGraw Hill Inc., New York.
- Benson, H.J., 1994. Microbiological applications. WmC Brown Publishers, Dubuque, USA.
- Alcamo, E. 1994. Fundamentals of Microbiology. The Benjamin/Cummings Publishing Co. Inc. Redwood city, CA 94065.
- Pelczar, M.J. Jr., Chan, E.C.S. and Krieg, N.R. 1993. Microbiology concepts and applications – McGraw Hill Inc., New York.