



Code	Subject Title	Cr. Hrs	Semester
ZOOL-431	Environmental Microbiology	2	VIII
Year	Discipline		
4	Zoology		

Course Contents

Fundamentals of microbial ecology: The nature of microbial communities. Life at low nutrient concentrations. Physicochemical factors affecting the environmental fate of Microorganisms. Competitive strategies of microorganisms. Interactions involving microorganisms. Microbiology of air. Aquatic microbiology. Soil microbiology. Microbiology of domestic water and sewage. Microbiology of food, milk and milk products.

Recommended Books

- Microbiology: A Human Perspective , 2001. Eugene W. Nester, Denise, G., Anderson, Martha, T., Nester, C., Evans Roberts, Nancy, N. McGraw Hill Higher Education.
- Microbiology Principles and Explorations, 2001. Jacquelyn, G.G. Wiley John & Sons Inc.
- Microbiology, 1986. Pelczar Jr., Chan, E.C.S. and Krieg, M.R., 1986. Mc-Graw Hill, London.
- Environmental Microbiology, 2000. Alan H. Varnam and Malcolm G. Evans, Manson publishing London, NW11 7DL, UK.
- Microbial Applications: Lab Manual in General Microbiology, 1994. Benson, H.J. WMC Brown Publishers, England.