



Code	Subject Title	Cr. Hrs	Semester
<b>ZOOL-432</b>	<b>Lab. Environmental Microbiology</b>	<b>1</b>	<b>VIII</b>
Year	Discipline		
<b>4</b>	<b>Zoology</b>		

### Course Contents

Isolation and identification of coliform from water, milk and vegetables samples. Bacterial examination of food and raw milk. Surveys of microorganisms' activities based industries. Isolation and study of antibiotics producing bacteria. Isolation and study of cellulolytic bacteria. Isolation and identification of nitrogen fixing bacteria.

### 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.