

## BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
<b>BOT-412</b>	<b>Water Pollution, its Management and Control (Lab)</b>	<b>1</b>	<b>VIII</b>
Year	Discipline		
<b>4</b>	<b>BOTANY</b>		

**Syllabus Outline:** Physicochemical Analysis of Polluted Water Samples from different Polluted Sites through use of Equipments.

### Course Outline:

1. Water Sampling: General Considerations in Sampling.
2. Analysis of Industrial and Sewerage Waste-Water for important Physical and Chemical Parameters.
3. Field Work: Visit to Industrial Sites showing Water Pollution.

**Module Aims:** To make the student capable of a detailed Analysis of any Water Sample to render it Polluted and to Determine the Degree of Pollution.

### Learning Strategies:

1. Lectures
2. Group Discussion
3. Laboratory Work
4. Seminar/ Workshop

**Learning Outcome:** The student should be able to determine Water Quality and Indicate if the sample is polluted.

### Assessment Strategies:

1. Lecture Based Examination (Objective and Subjective)
2. Assignments
3. Class Discussion
4. Quiz
5. Tests

**Books Recommended:**

1. **Lenihan, J. and Fletcher, W.W. (2004).** *The Marine Environment: Environment and Man* (Vol. VI). (Ed.). Blackie and Sons, Glasgow and London.
2. **Southwick, C.H. (2003).** *Global Ecology*. Sinauer Associates Inc. Publishers. Sunderland, Massachusetts.
3. **Ciaccio, L.L. (2001).** *Water and Water Pollution Handbook*. Marcel - Dekker, Inc. New York.
4. **Mason, C.F. (2001).** *Biology of Freshwater Pollution*. Longman Printing Company, London and New York.
5. **Harrison, R.M. (2000).** *Pollution: Causes, Effects and Control*. The Royal Society of Chemistry. Cambridge.

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