[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

The course has been designed to improve the understanding of the students about different pollution control strategies and the skills of application of remediation techniques to combat pollution in three environmental compartments i.e. air, water and soil.
The course will also be dealing about the sources of pollution in air, soil, water, solid waste and noise and the impacts these sources on the environment and health. In addition, the students will be given the training to develop the particular skills required in pollution related structured research

2. Course Goals and Objectives (Approximately 100 words)

At the end of this module, students will:
-Have gained awareness of current forms of environmental pollution and an overview of both their causes and consequences to natural, economic and social systems.
-Have gained an understanding of the fundamental principles governing the interactions between those systems (i.e. transport of pollutants in the environment),
-Have been exposed to learning examples of good practice of technologies and options used to remediate reduce/eliminate pollution of the environment,
-Be able to analyse, synthesise, and evaluate evidence to understand problems in order to select control measures and techniques concerning atmospheric, water or terrestrial challenges.

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

1. De A.K. (1990) Environmental Chemistry, Wiley Eastern Ltd.
2. Manahan S.E. (2000) Fundamentals of Environmental Chemistry, CRC Press

4. Reference

1. Brady N.C. (2007) The Nature and Properties of Soil, Thirteenth edition, Prentice -Hall India.
2. Ecrenfelder W. (1990) Industrial Pollution Control, McGraw Hill Int. Ed.
3. Pepper I.L., Gerba C.P. and Brusseau M.L. (2nd edition) (2006) Environmental and Pollution Science, Academic Press.
4. Gilbert M. (2007) An Introduction to Environmental Engineering and Science, Pearson Education.

5. Course Requirements and Grades

EXAMINATION = 80%
C.A.T. = 15%
ASSIGNMENT = 5%

TOTAL = 100%

6. Course Calendar

Week	Main Content
1	ENVIRONMENT
2	AIR POLLUTION
3	WATER POLLUTION AND ANALYSIS
4	WATER POLLUTION AND ANALYSIS continued
5	WASTE WATER
6	CHARACTERISTICS OF NATURAL WATER
7	C.A.T.
8	CHARACTERISTICS OF NATURAL WATER 2
9	NOISE POLLUTION
10	NOISE POLLUTION continued
11	CONTROL OF AIR POLLUTION
12	CONTROL OF AIR POLLUTION continued
13	REVISION AND ASSIGNMENTS
14	EXAMINATION