[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

This course will bring an understanding to the learners on an introduction to Integrated Pest Management (IPM): The concepts, principles, development and the application of IPM. IPM constitutes a series of pest control tactics and strategies toward more sustainable agriculture, natural resources, and urban and rural health and well-being.

2. Course Goals and Objectives (Approximately 100 words)

After taking this course, students are expected to:
- Understand the concepts of pest management and its application to related fields of study
- Define the IPM concept and its components
- Recognize the importance of ecological and evolutionary knowledge in IPM success
- Orally summarize and present information effectively to stakeholders

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

Integrated Pest Management: Current Concepts and Ecological Perspective Nov 4, 2013
by Dharam P Abrol

4. Reference

PRINCIPLES OF PEST MANAGEMENT HISTORICAL LANDMARKS IN IPM

IPM in Practice, Second EditionSep 11, 2012 by Mary Louise Flint

5. Course Requirements and Grades

CAT 30%
EXAM 70%

6. Course Calendar

Week	Main Content
1	Basics of insect, Pest and its categories: Insect, abundance and diversity;Ins
2	Basics of insect, Pest and its categories:Pest, causes for outbreaks and cate
3	IPM, concepts and ecological components:Principles of Pest Management a
4	IPM, concepts and ecological components:Ecological Methods of Pest Mana
5	Host plant resistance and Biological components of IPM
6	MID-TERM EXAMINATION
7	Pest management through botanicals, behavioural modification and radiatior
8	
9	Chemical component of IPM:Pest management through botanicals,Chemica
10	Chemical component of IPM:Chemical Control Considerations for Chemical
11	Biotech approaches, AESA and IPM case studies in field crops and pulses:E
12	Biotech approaches, AESA and IPM case studies in field crops and pulses:II
13	IPM case studies in oilseed and commercial crops:IPM case studies in oilse
14	FINAL EXAMINATION