

Arthropod Environmental Management

Monday Thursday: 5.00 8.00pm

Tuesday 21st June 2011 Wednesday 13th July 2011

Instructor: Dr Richard Thacker BSc, MSc, Ph.D
Senior Lecturer, Biological Sciences and Head of Science
Admissions, University of the West of Scotland, UK
Visiting Professor, Valdosta State University

General Course Description: This course provides an introduction to theoretical and practical aspects of arthropod pest management

Syllabus: The course will follow the textbook *An Introduction to Arthropod Pest Control* (Thacker, 2002). This book is organised into the following 13 chapters:

1. A brief history of arthropod pest control
2. Botanical insecticides
3. Modern synthetic insecticides
4. Formulation, application and the direct and indirect effects of insecticides
5. Biological control agents
6. Microbial pest control
7. Pheromones and pest control
8. Insect growth regulators
9. Genetic manipulation of pest species
10. Host-plant resistance
11. Cultural techniques and organic farming
12. Integrated pest management
13. Biotechnology and pest control

What you have to do Assessment schedule

1. Short answer test 1, Thursday 23rd June (7.00 – 8.00pm) 10%
2. Short answer test 2, Thursday 30th June (7.00 – 8.00pm) 10%
3. Short answer test 3, Thursday 7th July (7.00 – 8.00pm) 10%
3. 5/10 minute presentation, Tuesday 12th July (5.00)