

## Arthropod Environmental Management

Monday Thursday: 5.00 8.00pm

Tuesday 21<sup>st</sup> June 2011 Wednesday 13<sup>th</sup> 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 23<sup>rd</sup> June (7.00 – 8.00pm)    10%
2. Short answer test 2, Thursday 30<sup>th</sup> June (7.00 – 8.00pm)    10%
3. Short answer test 3, Thursday 7<sup>th</sup> July (7.00 – 8.00pm)    10%
3. 5/10 minute presentation, Tuesday 12<sup>th</sup> July (5.00)