



6D_SGQ_CALENDARIO CORSO - REV. 1.0 del 15/06/2016

Academic year 2016/2017

MASTER COURSE:

**Sustainable IPM Technologies
for Mediterranean Fruit and Vegetable Crops**

UNIT 1: INTRODUCTORY COURSES (2 ECTS)

3 - 8 October	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*
	3-8 Oct	Sub-Unit 1			
		<ul style="list-style-type: none"> Welcome and registration Institute and course presentation Information and Communication Technologies Criteria for bibliographic research English language 	<i>O. Lorusso</i> <i>G. Inchingolo</i> <i>S.J. Christopher</i>	<i>CIHEAM-Bari (Italy)</i> <i>CIHEAM-Bari (Italy)</i> <i>Univ. of Bari (Italy)</i>	

UNIT 2: INTRODUCTION TO IPM (10 ECTS)

10 Oct.-16 Nov	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*
			<i>Sub-Unit 1: Basics principles of plant pests, pathogens, nematodes, physiological disorders and weeds</i>		
	10-17Oct.	Pathogens	D. Gallitelli	Univ. of Bari (Italy)	
	18-22 Oct	Nematodes	A. Troccoli	CNR Bari (Italy)	
	20 Oct	Control of Nematodes	F. D'Ericco	Univ. of Naples (Italy)	
	24-28 Oct	Pests	I. Jboory	Univ. of Baghdad (Iraq)	
	31 Oct	Seminar activities			
	2-5 Nov	Weeds	S. Carlesi	Scuola Superiore S. Anna Pisa (Italy)	
	14-17 Nov	Physiological disorders	A. Ippolito	Univ. of Bari (Italy)	
		<i>Sub-Unit 2: IPM concepts and regulations</i>			2
	7 Nov	<ul style="list-style-type: none"> Technical visit/Seminar activities 			
	8-11 Nov	<ul style="list-style-type: none"> IPM concepts and regulations 	<i>I. Pertot</i>	<i>Fondazione. Edmund. March (Italy)</i>	

UNIT 3: PEST/PATHOGEN CONTROL (14 ECTS)

18 Nov- 18 Jan	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*	
		Sub-Unit 1: Breeding and biotech resistance				3
	18-21 Nov	<ul style="list-style-type: none"> • Biotech. Resistance 	D. Gallitelli	Univ. of Bari (Italy)		
	22-26 Nov	<ul style="list-style-type: none"> • Breeding for Plant resistance to pest and diseases 	J.M. Audergon	INRA Avignon (France)		
		Sub-Unit 2: Biological and non-chemical means of pest control				6
	28 Nov-1 Dic	<ul style="list-style-type: none"> • Semiochemicals : Formulation and application 	H. Nayem	IPM Russell(UK)		
	2 Dic	<ul style="list-style-type: none"> • Thechnical visit/Seminar activities 				
	5-9 Dic	<ul style="list-style-type: none"> • Biopesticides&Botanicals: formulation and application 	I. Pertot	Fondazione. Edmund March (Italy)		
	12-15 Dic	<ul style="list-style-type: none"> • Natural enemies application 	M.G. Tommasini	CRPV Cesena (Italy)		
		Sub-Unit 3 : Pesticides and chemical control				5
	19-22 Dic	<ul style="list-style-type: none"> • Formulation and regulation of Pesticides & Use and application of fungicides 	F. Faretra	Univ. of Bari , (Italy)		
	23 Dec 2016 – 2 Jan 2017	CHRISTMAS HOLIDAYS				
	3-5 Jan	<ul style="list-style-type: none"> • Individual Project 	IPM Staff	CIHEAM -Bari (Italy)		
	9-11 Jan	<ul style="list-style-type: none"> • Use and application of insecticides 	P. Cravedi	Univ- of Piacenza(Italy)		
	12-14 Jan	<ul style="list-style-type: none"> • Use and application of herbicides 	E. Capri	Univ. of Piacenza (Italy)		
16-18 Jan	<ul style="list-style-type: none"> • Pesticides application and impact 	R. Da Gasso				

UNIT 4: INFORMATION TECHNOLOGIES IN IPM (7 ECTS)

19 Jan-10 Feb	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*	
		Sub-Unit 1: Innovative technologies for spectral pest/diseases analyses				2
	19-21 Jan	<ul style="list-style-type: none"> • Disease forecasting modelling 	T. Caffi	Univ. of Piacenza (Italy)		
	23-25 Jan	<ul style="list-style-type: none"> • GPS/GIS and spatial distribution analyses 	P. Picuno	Univ. of Basilicata (Italy)		
		Sub-Unit 2: Decision support systems				1
	26-28 Jan	<ul style="list-style-type: none"> • Remote sensing technology 	F. Santoro	CIHEAM -Bari (Italy)		
	30 Jan-3 Feb.	<ul style="list-style-type: none"> • Statistical analysis 	M. Rinaldi	CRA Foggia (Italy)		
	6 Feb	<ul style="list-style-type: none"> • Decision support system 	S. Gualano	CIHEAM -Bari (Italy)		
7-10 Feb	<ul style="list-style-type: none"> • Application of Decision support system 	I. Pertot	Fondazione. Edmund March (Italy)			

UNIT 5: IPM OF VEGETABLE CROPS IN PRE-HARVEST (8 ECTS)

20 Feb - 17 Mar	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*	
	13-17 Feb				2	
		• Key Pests and IPM	E. Conti	Unive. of Perugia (Italy)		
		Sub-Unit 1: Key Diseases and IPM				6
	20-24 Feb	• Fungi	R. Minuto	CeRSAA, Azienda Speciale della CCIAA di Savona (Italy)		
	27 Feb-3Mar	• Virus & virus - like	D. Gallitelli	Univ. of Bari (Italy)		
	6-10 Mar	• Bacteria	E. Stefani	Univ. of Modena and Reggio Emilia (Italy)		
		Sub-Unit 2				2
13-17 Mar	Diploming course		M.Dohmen		2	

UNIT 6: IPM OF FRUIT CROPS IN PRE-HARVEST (7 ECTS)

20 Mar - 11Apr	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*	
		Sub-Unit 1				2
	20-24Mar	• Key Pests and IPM	G. Delrio	University of Sassari (Italy)		
		Sub-Unit 2: Key Diseases and IPM				5
	27-31Mar	• Bacteria	R. Buonauro	University of Perugia		
	3 – 11Apr	• Virus Virus-like and Fungi	K. Djelouah & T. Yaseen	CIHEAM -Bari (Italy)		
	12 Apr	• Individual project				

UNIT 7: IPM OF FRUITS AND VEGETABLES IN POST-HARVEST (4 ECTS)

13 - 28 Apr	DATE	SUB-UNIT	LECTURER	INSTITUTIONAL AFFILIATION	ECTS*	
		Sub-Unit 1				1
	13-14 Apr	• Food contamination & regulations	A. Ricelli	CNR Roma (Italy)		
		Sub-Unit 2				2
	18-22 Apr	• Post-harvest pest management	M. Mari	Univ. of Bologna (Italy)		
		Sub-Unit 3				1
	24 Apr	• Individual Project				
	26-28 Apr	• International food standards	M. Ferrari	Univ. of Trento (Italy)		
1-5 May	TOURISTIC TOUR					

UNIT 8: APPLICATION OF IPM PROCEDURES (11 ECTS)

8 May-16 June	<i>DATE</i>	<i>SUB-UNIT</i>	<i>LECTURER</i>	<i>INSTITUTIONAL AFFILIATION</i>	<i>ECTS*</i>
		<i>Sub-Unit 1</i>			2
	<i>8 – 12 May</i>	<ul style="list-style-type: none"> • Business planning and farm management 	<i>D. Marrone</i>	<i>LUM Bari (Italy)</i>	
		<i>Sub-Unit 2</i>			1
	<i>15 – 17 May</i>	<ul style="list-style-type: none"> • Good Agriculture Practices and certification in the global market 	<i>C. Sigliuzzo</i>	<i>CIHEAM -Bari (Italy)</i>	
	<i>18-19 May</i>	<ul style="list-style-type: none"> • Individual Project 			
	<i>22 May-1 June</i>	IPPC- FAO/ CIHEAM Diploming course			4
<i>5 – 16 June</i>	<ul style="list-style-type: none"> • Monitoring of quarantine pests & IPM case study in the field IPM 	<i>IPM Staff</i>	<i>CIHEAM -Bari (Italy)</i>	4	

UNIT 9: INDIVIDUAL PROJECT (5ECTS)

Jan-June 2017

	<i>DATE</i>	<i>ECTS*</i>
	<i>19-22 June</i>	Oral Examination & Diploming ceremony