General Information	
Academic subject	Urban Entomology (Module of I.C. Applied Entomology for
	Mediterranean crops)
Degree course	Master Course in Plant Medicine (LM69)
Curriculum	
ECTS credits	3
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Francesco	francesco.porcelli@uniba.it	AGR11
	PORCELLI		

ECTS credits details		
Basic teaching activities	Plant Protection	
	disciplines	

Class schedule	
Period	Second semester
Year	First year
Type of class	Lectures, 4 ECTS (32 hours)
	Laboratory and field classroom and workshops, 2 ECTS (28 hours)

Time management	
Hours	75
In-class study hours	30 (16 Lectures + 14 Lab & field cl.)
Out-of-class study hours	45

Academic calendar	
Class begins	March 5, 2018
Class ends	June 22, 2018

Syllabus	
Prerequisites/requirements	General knowledge on Arthropods
Expected learning outcomes	Knowledge and understanding
	 Taxonomy, epidemiology, bionomics of urban pests
	 Urban pest identification
	Applying knowledge and understanding
	 Ability to manage urban ecosystem pests.
	 Ability to use proper control means, and formulates to urban IPM.
	Making informed judgements and choices
	 Skill in urban environment analysis and in sustainable and
	eco-compatible pest control actions timing and placement
	Communicating knowledge and understanding
	• Communication skill by one more than Italian European
	written and spoken language, at least.
	Capacities to continue learning
	 Continuous learning in career.
Contents	The course is tailored and focused on the diverse urban ecosystem
	management options. Recognition, management and control of
	urban green pest and contaminants arthropods plus "ex-post"
	control action effect estimation are the main topics of teaching. The
	course target to qualify the student as a technical consultant and
	expert witness mastering the topic by discussing several effective
	pest population management strategies and control means.
	Urban ecology and arthropods population dynamic in urban areas

and parks. General entomology topics are discussed as needed pest and damage control. Main features of urban and artificia environments, damage concept and nature. Control VS management, sampling procedures and damage estimation, II (Integrated Pest Management), ruling, hygiene (sanitization). Physical, biological, chemical and natural control. Pest bionom and consequents control strategies for: Dermaptera, Blattode Isoptera, Hemiptera, Thysanoptera, Coleoptera, Diptera, Lepidoptera, Hymenoptera and lesser Taxa.	d for PM lics a,
Course program	
 Partis K.M. 2010 - Ecology of Orban Environments. Wyley Blackwell, ISBN: 9781444332643 (Hardback) ISBN: 9781444332650 (Paperback), 224 pp. Partho Dhang (Ed.) 2014 - Urban Insect Pests Sustainable Management Strategies. C.A.B. International, ISBN-13: 97 78064 275 8, 249 pp. Roques A, Kenis M., Lees D., Lopez-Vaamonde C., Rabitscl Rasplus JY., Roy D.B. (Ed.s) 2010 - Alien terrestrial arthro of Europe. Special Issue, BioRisk, 4: 1021 pp. http://nensoftonline.net/biorisk 	8 1 n W., pods
Notes	
Teaching methods Handouts in English are given at course kick-off, with Keynote .pdf presentations.	and
Assessment methods Partial written: will be given in the form open written test que. Candidate will apply replying about one hundred questio. The assessment of the Partial will last for one year and will concur vote of the Integrated Course. The student will sustain the Part a volunteer basis. Exam oral: will be given in the form of topic discussion on the arguments proposed in Partial and found in handouts and text Candidate will discuss three topics picked from about the one hundred highlighted in handouts and textbook. The Exam eval will concur to the vote of the Integrated Course. The student will sustain the Exam as detailed in the proper calendar. The evaluation of candidate Partial and Exam are in Annex "At the Master Course didactic rules that follow the common Euro reference framework. Being the handouts and the textbook in English, international students will follow the lessons in Italian prepare the Partial and the Exam, as Italians will do.	stions. to the tial on came book. uation ill ' of pean and
 Knowledge and understanding Order, Family and main urban pest identification niche, bionomics and damages assessment. Applying knowledge and understanding 	. Pest nts for urban urban al and
Further information Visiting hours: Tuesday and Thursday. please e-mail to agree on time.	