1. COURSE SYLLABUS OF
Series of lectures – Advances in Sustainable Management of Agricultural Systems

Academic Year 2011/12, Semester 1 and 2

2. COORDINATOR	Christian Fischer	**3. ECTS CREDITS**	2
OFFICE		**SCIENTIFIC FIELD**	
E-MAIL ADDRESS	Christian.Fischer@unibz.it	**OFFICE PHONE**	0471/017170
WEB PAGE	http://www.unibz.it/en/sciencetechnology/people/StaffDetails.html?personid=9009&hstf=9009		
COURSE PAGE			

4. COURSE HOURS	About 10 x 1.5 hours	**LECTURES**	15
		TUTORIALS AND APPLICATION	–
		OTHERS	–

5. STUDY PROGRAMME	All	**6. MAJOR IN**	–
7. YEAR	All		
8. PROGRAMME STATUS	Elective	**9. COURSE LANGUAGE**	English

10. DESCRIPTION	The lecture series provides a multidisciplinary forum in which current approaches and emerging ideas in sustainable management of agricultural systems are presented and discussed.
11. TEACHING FORMAT and ORGANIZATION	The lecture series consists of 8 to 10 individual lectures given by FUB-internal and external lecturers who have been invited by the Faculty of Science and Technology.
12. LEARNING OUTCOMES	Upon successful completion of the course, students will be able to: • describe current key developments in the theory and practice of sustainable management of agricultural systems; • demonstrate knowledge in multidisciplinary approaches to sustainable agricultural-system management; • apply their newly acquired knowledge in scientific problem-

	solving settings and/or professional work practices.
13. TOPICS	

October 2011	Climate change in South Tyrol: impacts on agriculture and related issues	Dr. Marc Zebisch, Eurac
November 2011	Klimawandel, Humusschwund, Energieholznutzung- Die Herausforderung einer nachhaltigen Waldwirtschaft im Bereich der nördlichen Kalkalpen	Prof. Axel Göttlein, TUM
November 2011	Advance Technologies and practices for a sustainable viticulture	Prof. Stanley Best
November 2011	Incidence of Hypsipyla robusta (Moore) on native mahogany trees	Dr. Emmanuel Opuni-Frimpong, Michigan Tech, USA
January 2012	Monitoring and Quality Assurance in the Food Supply Chain	Prof. Gerhard Schleining, BOKU
March 2012	On how to conceive a theory of sustainability: Principles, concepts, objectives, and research.	Prof. Ott, Göttingen University
March 2012	Feedbacks between Riparian Vegetation and Morphodynamics in Sand-Bed Rivers: Insights from Field Studies in the Western United States and Implications for Restoration	Prof. Andrew Wilcox
April 2012	Maturazione dell'uva e gestione della chioma in Vitis vinifera: binomio da riconsiderare in funzione del cambiamento climatico e delle richieste del mercato	Dr. Alberto Palliotti
May 2012	Sustainability of logging operations in mountain areas	Prof. Raffaele Cavalli
May 2012	Sostenibilità della qualità del lavoro in agricoltura	Prof. Danilo Monarca

14. BASIC BIBLIOGRAPHY	–
15. ELIGIBILITY	All
16. RECOMMENDA-TION	--
17. STUDENT ASSESSMENT	Students who attempt to earn the available ECTS credits will have to fulfil the following criteria: (1) Attend at least 5 individual lectures. (2) Produce a short essay (a maximum of 3,000 words) of high intellectual quality and which fulfils the standards of a scientific article – i.e., concise, structured writing and an acknowledgement of all sources. Given that the lecture series is interdisciplinary, the essay will also have to reflect this characteristics in some way by demonstrating subject-

	transcending reflections and conclusions. (3) The topic of the essay is as follows: "Which are major current problems in sustainable agricultural-system management and how may these be solved?"