(*faculty stamp*)

COURSE DESCRIPTION

1. Course title: SOCIAL SCIENCES I	**2. Course code**
3. Validity of course description: 2012/2013	
4. Level of studies: BSc programme /1st cycle of higher education	
5. Mode of studies: intramural studies	
6. Field of study: MACRO	(FACULTY SYMBOL)
7. Profile of studies:	
8. Programme:	
9. Semester: 5th	
10. Faculty teaching the course: Faculty of Organization and Management	
11. Course instructor: dr hab. Waldemar Czajkowski	
12. Course classification:	
13. Course status: compulsory	
14. Language of instruction: English	
15. Pre-requisite qualifications: basic knowledge presented in the courses: Social Sciences I, Social Scinces II	
16. Course objectives: The main objective of this course is to make students familiar with the vast field of application of formal/mathematical/computational methods in the domain of social sciences while stressing both the theoretical and the practical relevance of these applications.	

17. Description of learning outcomes:

Nr	Learning outcomes description	Method of assessment	Teaching methods	Learning outcomes reference code
1.	Knowledge of the basic facts about artificial intelligence, artificial life, and artificial society	written test	lecture, discussion	
2.	Understanding of the theoretical and practical importance of the develeopment of AI, AL,AS	discussion	lecture, discussion	
3.				
4.				
5.				
6.				
7.				
8.				

18. Teaching modes and hours

Lecture / BA /MA Seminar / Class / Project / Laboratory

Lecture: 15h

19. Syllabus description:

Semester 5 :

1. Challenges for social sciences in the time of globalization. How computers can help to overcome some barriers social sciences face.
2. Artificial intelligence and artifical life - ideas to be both applied in and adapted to social sciences.
3. Basic ideas of game theory. Prisonne's dilemmma.
4. Computer simulations in studying more complex forms of prisonner's dilemma.
5. The concept of artificial societies.
6. Raports to the Club of Rome as an example of computer modelling of global social processes

20. Examination: participation and activity during lectures

21. Primary sources:

1. Joshua Epstein, Robert Axtell; Artificial Societies. Social Science from the Bottom Up;The MIT Press, Cambridge (Mass.) 1996
2. William Poundstone; Prisoner's Dilemma; Doubleday, New York 1993

22. Secondary sources:

1. Peter Convey, Roger Highfield; Froniters of Complexity. The Search for Order in a Chaotic World; Ballantine Books 1996

23. Total workload required to achieve learning outcomes

Lp.	Teaching mode :	Contact hours / Student workload hours
1	Lecture	15/
2	Classes	/
3	Laboratory	/
4	Project	/
5	BA/ MA Seminar	/
6	Other	/
	Total number of hours	15/

24. Total hours:

25. Number of ECTS credits:

26. Number of ECTS credits allocated for contact hours:

27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects):

26. Comments:

Approved:

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(date, Instructor's signature) (*date , the Director of the Faculty Unit signature)*