

SCUOLA	Scienze giuridiche ed economico sociali
ANNO ACCADEMICO	2014/2015
CORSO DI LAUREA MAGISTRALE	Sviluppo sostenibile delle organizzazioni pubbliche e private
INSEGNAMENTO	Computer simulation models and organizational decision-making
TIPO DI ATTIVITÀ	Caratterizzante (I e III modulo); affine (II modulo)
AMBITO DISCIPLINARE	Giuridico e processi decisionali ed organizzativi (I e III modulo); formazione interdisciplinare (II modulo)
CODICE INSEGNAMENTO	14137
ARTICOLAZIONE IN MODULI	No
NUMERO MODULI	
SETTORI SCIENTIFICO DISCIPLINARI	IUS/09; SPS/01; SPS/04.
DOCENTE RESPONSABILE	ANDREAS GROSSLER PA Radboud University Nijmegen
CFU	6
NUMERO DI ORE RISERVATE ALLO STUDIO PERSONALE	108
NUMERO DI ORE RISERVATE ALLE ATTIVITÀ DIDATTICHE ASSISTITE	42
PROPEDEUTICITÀ	Materie del primo anno
ANNO DI CORSO	Secondo
SEDE DI SVOLGIMENTO DELLE LEZIONI	http://www.europeansystemdynamics.eu/index.php?p=144
ORGANIZZAZIONE DELLA DIDATTICA	Lezioni frontali Admission to the course requires previous and regular enrolment in the European Master of System Dynamics programme (i.e., having completed the first semester in Bergen and the second semester in Lund or Palermo) or a completed Bachelor programme in Business Administration from Radboud University.
MODALITÀ DI FREQUENZA	Obbligatoria Computer simulation models and organizational decision-making Level: graduate; 6 ECTS points. The course is conducted entirely in English.
METODI DI VALUTAZIONE	Prova Scritta, Presentazione di un progetto
TIPO DI VALUTAZIONE	Voto in trentesimi An ECTS grade is provided to the student at the end of the course according to the A—F scale. Students not successfully fulfilling all the course requirements within the regular time frame have the option of a re-sit once the following semester.
PERIODO DELLE	Primo semestre

LEZIONI	
CALENDARIO DELLE ATTIVITÀ DIDATTICHE	http://www.europeansystemdynamics.eu/index.php?p=144
ORARIO DI RICEVIMENTO DEGLI STUDENTI	http://www.ru.nl/businessadministration/koppeling/grossler_a/more-about-grossler/

OBIETTIVI FORMATIVI This course aims to teach students the role of models in policy processes and the concepts of organisational interventions with the use of the system dynamics methodology.

OBIETTIVI DI APPRENDIMENTO ATTESI <p><i>Knowledge and understanding</i> The role of models in policy processes and the concepts of organisational interventions with system dynamics will be discussed.</p> <p><i>Applying knowledge and understanding</i> Students are able to transfer the knowledge and understanding they have acquired in this course to other fields of the social sciences. In addition, methods, that are discussed, can be used in various settings and in combination with different approaches. These methods are meant to handle complexity in organisational problem contexts.</p> <p><i>Making judgements</i> Students learn to assess the usefulness of different methods for different problems in organisations. Further, they can reflect on the principle embedding of system dynamics in the social sciences.</p> <p><i>Communication</i> Students can present and discuss relevant facilitation techniques. They are able to communicate with other forms of communication as well, for instance, writing summaries, visualisation of content, or reviewing papers.</p> <p><i>Learning skills</i> By a high share of individual assignments (together with feedback from teachers), students will be enabled to acquire all skills that are necessary to self-study further literature on the subject and acquire information about new facilitation techniques.</p>

CORSO	Computer simulation models and organizational decision-making
ORE FRONTALI	LEZIONI FRONTALI
10	the nature of policy and decision making and the role of (scientific) knowledge
5	the implementation issue
5	models of knowledge dissemination and types of knowledge use or impact
5	history of the use of computer models in policy and decision making processes
5	history of system dynamics and the connection to Operations research
5	Computer models and decision support
5	Modelling as (organizational) learning

5	Modelling as intervention: action research
5	Comparison of different modelling techniques
5	The concepts of validity and utility
5	Stakeholder analysis
TESTI CONSIGLIATI	<p>Größler, Andreas: System Dynamics Projects That Failed to Make an Impact, in: System Dynamics Review, 23/4 (2007), 437–452.</p> <p>Meadows, Donella and Jenny Robinson: The Electronic Oracle, 1985.</p> <p>Pidd, Michael: Computer Simulation in Management Science, 2006.</p> <p>Richardson, George: Feedback Thought in Social Science and Systems Theory, 1991.</p> <p>Roberts, Edward: Strategies for Effective Implementation of Complex Corporate Models. In: Roberts, Edward (ed.): Managerial Applications of System Dynamics, 1978, pp. 77-85.</p> <p>Sterman, John: Business Dynamics, 2000, chs. 1, 3, 21.</p>