

SCUOLA	Scienze giuridiche ed economico sociali
ANNO ACCADEMICO	2014/2015
CORSO DI LAUREA MAGISTRALE	SVILUPPO SOSTENIBILE DELLE ORGANIZZAZIONI PUBBLICHE E PRIVATE
INSEGNAMENTO	Group model building II
TIPO DI ATTIVITÀ	Affine
AMBITO DISCIPLINARE	Formazione interdisciplinare
CODICE INSEGNAMENTO	14138
ARTICOLAZIONE IN MODULI	no
NUMERO MODULI	
SETTORI SCIENTIFICO DISCIPLINARI	SPS/01
DOCENTE RESPONSABILE	ETIENNE ANTONIO JOSEPH ALFONSO ROUWETTE 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	II
SEDE DI SVOLGIMENTO DELLE LEZIONI	http://www.europeansystemdynamics.eu/index.php?p=144
ORGANIZZAZIONE DELLA DIDATTICA	Lezioni frontali in aula informatica Group model building II Level: graduate; 6 ECTS points. The course is conducted entirely in English. The course is comprised of lectures, case studies, and students' projects and presentations. An 80% attendance rate in sessions is required; students have to engage actively in class discussions and in project work. Assessment is carried out by means of evaluated project reports, which are based on actual or potential real-life issues (partially provided by industry partners). 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

METODI DI VALUTAZIONE	Prova Scritta 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.
TIPO DI VALUTAZIONE	Voto in trentesimi
PERIODO DELLE LEZIONI	Primo semestre
CALENDARIO DELLE ATTIVITÀ DIDATTICHE	http://www.europeansystemdynamics.eu/index.php?p=144
ORARIO DI RICEVIMENTO DEGLI STUDENTI	http://www.ru.nl/businessadministration/koppeling/rouwette_e_a_j_a/

OBIETTIVI FORMATIVI

The course aims to teach the advanced fundamentals of the Group Model Building methodology. During the course students will learn how to conduct quantitative Group Model Building projects and conduct GMB in more complex situations and multiple stakeholders.

OBIETTIVI DI APPRENDIMENTO ATTESI

Knowledge and understanding

Knowledge from the course on Group Model Building I will be deepened and extended—students will be able to also conduct quantitative Group Model Building projects and conduct GMB in more complex situations (e.g. more divergent viewpoints between stakeholders). Additional tools and scripts will be in the focus of study and be known to the students.

Applying knowledge and understanding

Students are able to conduct quantitative Group Model Building sessions themselves. They will have experience with additional supplementary tools, in particular to elicit quantitative knowledge from experts.

Making judgements

Students should be able to reflect on the issue whether Group Model Building is an appropriate method for a given problem, and whether a qualitative or quantitative approach seems useful. They will also be able to evaluate the usefulness of supplementary tools.

Communication

Students will be able to present results from Group Model Building sessions to stakeholders in organizations and to interested academics. Furthermore, they can statistically analyse quantitative results from Group Model Building projects.

Learning skills

Due to the profound experience they will acquire in the method, students can themselves acquire additional knowledge to further enhance the method and to adjust it to their needs.

ORE	LEZIONI FRONTALI
6	Eliciting knowledge for quantitative modelling: stocks and flows

6	Calibrating the model: parameters, graph functions etc
6	Model analysis with groups
6	Creating and using model based scenarios
6	From model and scenario analysis to strategic decisions
6	Dissemination and learning environments
2	How to determine the effectiveness of GMB interventions
2	Intercultural issues
2	Practical training sessions with faculty feedback
TESTI CONSIGLIATI	Coyle, Geoff: Qualitative and Quantitative Modelling in System Dynamics: some research questions, in: System Dynamics Review, 16/3 (2000), 225-244. Homer, Jack and Rogelio Oliva: Maps and Models in System Dynamics: a response to Coyle, in: System Dynamics Review, 17/4 (2001), 347-355. Rouwette, Etienne and Jac Vennix: System dynamics and Organizational Interventions, in: Systems Research and Behavioral Science, 23/4 (2006), 451-466. Vennix, Jac: Group Model Building, 1996.