

EMSD European Master programme in System Dynamics

Duration: 2 years

Course description:

The European master programme in System Dynamics is the first international master programme in System Dynamics in Europe. It builds on the strengths of four leading universities: the University of Bergen (Norway), Lund University (Sweden), the University of Palermo (Italy) and Radboud University Nijmegen (the Netherlands). The programme is specifically designed for students who are interested in learning how to initiate strategic change in organizations through the use of computer simulation models.

The goal is to teach students everything they need to start an international career in strategic modeling with system dynamics. After completing the master programme, students will know how to build a System Dynamics model, how to apply it to a variety of real life complex problems and how to facilitate the model building process with the client in such a way that not only a high quality model is built, but, equally important, strategic change is accomplished. No other programme in System Dynamics in the world offers this combination of model building, organisational consultation and group facilitation skills.

An international experience

While applying to one programme, the curriculum is designed in such a way that a student will enter at least three out of four European universities in different countries. Students spend a semester at each of these universities, and will earn a degree from all the universities that you attend (as part of a joint or multiple degree). Living and learning across different campuses and cultures will be an enriching experience that will help develop the intercultural and personal skills that are needed for starting an international career.

Career perspectives

The European Master programme in System Dynamics aims to prepare students for an international career in strategic modelling with System Dynamics. The programme will teach the foundations of system dynamics modelling and how to apply SD modelling to a variety of real life complex problems. The second year is dedicated to learning how to facilitate the model building process with clients. These skills will enable students to develop the flexibility required to be successful within European and global organisations, whether it be major consultancy firms, strategic planning departments of larger corporations or in public administrations or NGOs. Our tight links with several major firms in the countries involved in the programme, will allow for work on real life cases and will build links to the professional field.

Due to the broad overview acquired and the systemic approach that is followed in the programme, graduates will also be qualified for more entrepreneurial tasks, either in starting their own enterprise or within established companies. The programme also lays a foundation for further studies (Ph.D).

Website: www.europeansystemdynamics.eu

Partners:

RADBOUD UNIVERSITY NIJMEGEN, Netherlands (Co-ordinating institution)
UNIVERSITY OF PALERMO, Italy
UNIVERSITY OF BERGEN, Norway
LUND UNIVERSITY, Sweden

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Maximum grant:

771 192 € (30 000 € consortium + 741 192 € scholarships), 2010

694 800 € (30 000 € consortium + 664 800 € scholarships), 2011

734 400 € (30 000 € consortium + 704 400 € scholarships), 2012

688 400 € (30 000 € consortium + 658 400 € scholarships), 2013