

Description

Enterprise Resource Planning Simulation is a unique business simulation technology developed at HEC Montréal that enables the simulation of near-real-life business contexts of large corporate information systems.

ERPsim serves three functions. First, it provides the simulation of a market for buyers so that the game participants have some data necessary for evaluating how to react to the competitors' strategy. Secondly, ERPsim automates some of the business functions that are more administrative to make the game a little easier to play so that participants focus on the decision-making processes in the real-world system while experiencing the value of reports and decision support tools that exist in the system. Participants are put in a situation where they have to run their businesses using a real-life ERP system similar to those used by the world's largest companies. The essential feature of the simulation is that the only interface between the simulator and the participants is a real ERP system.



Enterprise Resource Planning Simulation



Master in Business Administration

Instructors:

Simone Ferretti
Gianluca Mattarocci



Enrollment procedure

Participation is free of charge for the students, but the number of attendants is limited, and only students that ensure attendance to the entire course will be considered.

To enroll for the ERP Simulation, students must register online to the course on the School of Economics website.



Please remember that attendance is compulsory and the registration will be closed after the second lecture of the course.

Contact Information

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Calendar

Date	Type	Time	Topic
April 7	In presence	9-12	Gamification principles
April 9	In presence	9-12	Introduction to ERP Sim
April 11	In presence	9-12	SAP software and BPMN notation
April 14	Online	14-17	Importer Game
April 28	Online	14-17	Logistic Game
May-5	Online	14-17	Manufacturing Game
May 12	In presence	17-19	Exam

The first three lectures scheduled on April will be in presence at the school of Economics of Tor Vergata University of Rome, and all other classes will take place online on TEAMS. Exam registration will be only in presence at the School of Economics of Tor Vergata University of Rome

The maximum number of students admitted to the program is equal to 80.

ERP Simulation Game

During Enterprise Resource Planning Simulation, the following games will be performed:



In the importer simulation, participants put themselves in the position of a wholesale distributor. Each company competes with the other wholesalers to satisfy customer demand and maximize profit.



In the logistic simulation, participants are engaged in the procurement, distribution, and sales of different products in different regions. Each company has to define its strategy related to prices and product transfers.



In the manufacturing simulation, participants are responsible for the complete business cycle, including planning, procurement, production, and sales processes. Participants will take control of this company and make all critical decisions.

Assignment

Each group has to submit a word report (2 pages in length) summarizing the strategy they adopted in each game and the main information about performance and statistics supporting their strategy.

The deadline for submitting the assignments is one week after each simulation game (Monday at 18.00).

Grading

Evaluation criteria will be based on the following criteria:

- Attendance at ERP Simulation
- The assignment submitted by the group

The final grade will be passed or failed. Students that will miss more than one lecture will not pass the exam. For students that respected the frequency requirement, the grade will be based on the quality of the final report submitted at the end of each game.

Awarding

3 ECTS