

IT project management and business process modeling (EM05HM21)

Program	PGE
Course set (UE) / Credits (ECTS) / Track / Specialization	Module :IT project management and business process modeling : 5 ECTS. <ul style="list-style-type: none">• MGA
Discipline	Management Information Systems
Year	2020
Semester	B
Open for visitors	no
Available spots	40

Coordinator

Lecturers

Aucun intervenant pour ce cours

Course format

Working language :	English
Volume of contact hours :	40 h
Workload to be expected by the student :	160 h

Course track

Track : Attendance

Attendance track :

Attendance at lectures/tutorials and intermediate/final assessments is mandatory. As in-class work constitutes an essential element of evaluation, any unjustified absence will be penalized (*see Study and Examination Regulations*) and factored into the final grade (*see Assessment*).

Autonomous track :

Attendance at intermediate/final assessments is mandatory, but students have the option of attending lectures/tutorials.

Attendance at lectures/tutorials and intermediate/final assessments is mandatory for all degrees making up the Master's Program and all degrees involving co-op (*apprentissage*). Attendance track must therefore be selected.

Contribution of the course to the educational objectives of the program

How the course contributes to the program :

LEARNING GOAL 1 : Students will master state-of-the-art knowledge and tools in management fields in general, as well as in areas specific to the specialized field of management.

Students will identify a business organization's operational and managerial challenges in a complex and evolving environment.

Students will understand state-of-the-art management concepts and tools and use them appropriately.

Students will implement appropriate methodologies to develop appropriate solutions for business issues.

LEARNING GOAL 2 : Students will develop advanced-level managerial skills.

Students will work collaboratively in a team.

Students will communicate ideas effectively, both orally and in writing, in a business context.

Description

Processes are at the heart of all organizations that aim at producing and delivering products/ services that will meet customer needs. In order to remain competitive, continuously examining, redesigning, and improving business processes has become crucial. Therefore, this course aims at training students in modeling business processes, improving the efficiency of organizational processes and using software to do so.

Educational organisation

In class

Lectures

Tutorials

In groups

Exercises

Projects

Interaction

Games (educational, role play, simulation)

Assignments

Specific projects / case studies

Learning outcomes

Upon completion of this course, students should be able to :

- **Describe** a business process
- **Apply** a software of business process modelling
- **Model** a business process
- **Reorganize** business processes to increase organizational performance

Outline

Session 1 (3h) : Course presentation; Business process introduction; Business process management (BPM); BPM lifecycle

Session 2 (4h): Introduction to BPMN (2h); Introduction to the use of a BPMN software for process modeling (free software application)

Session 3 (4h) : BPMN second part (~2h); Usage of the BPMN software (2h)

Session 4 (3h) : Creating groups for the project work: modelling a well-known business process + providing some guidelines for analysing and modelling the process.

Session 5 (2h) : Examples of business process modeling (good practices and common errors)

Session 6 (4h) : Work group presentation and discussion + remarks and conclusion

Prerequisites

Key concepts to understand :

Teaching material

Software

- Office Pack (Word, Excel, PowerPoint, Access)
- MS EXCEL
- MS POWERPOINT

Additional electronic platforms

- Other

Recommended reading

Major works :

“Fundamentals of Business Process Management” (2013) Dumas, M., La Rosa, M., Mendling, J., Reijers, H. Eds.; Springer-Verlag - <http://www.springer.com/us/book/9783642331428>

Further reading :

Research works by EM Strasbourg :

Assessment

Intermediate evaluation / continuous assessment 1 : last session

oral / individual / English / weighting : 50%

This evaluation serves to measure LO1.1, LO1.2, LO1.3

Intermediate evaluation / continuous assessment 2 : last session

oral / in group / English / weighting : 50%

additional information : group presentation

This evaluation serves to measure LO1.1, LO1.2, LO1.3, LO2.1, LO2.3

Grounds for expulsion from classes

Behaviors such as

arriving late, leaving early, or exiting the classroom at inopportune moments during class

ostentatiously eating or drinking in class

using smartphones or laptops for non-class-related purposes

reading texts unrelated to the course

discussing topics unrelated to the course

disrespecting the lecturer

may lead to expulsion from the class/course.