Management Information System

ECTS : 3

Volume horaire : 18

Description du contenu de l'enseignement :

This course will provide a general and practical overview of the issue of managing information systems in contemporary organizations. The course helps students analyze information systems problematics by using a multi-focal perspective on IS issues, focusing on information, technological and organizational dimensions of all IT projects. In order to do so, students will have to deal with a detailed case study, which they will have to solve in group and in 12 weeks, thanks to a sequence of activities. These activities are mostly carried out online, the in-class hours being dedicated to answering students' questions and framing their work. This course is on Moddle. **1** Introduction to MIS **2** Business Process Modeling **3** Business Process Reengineering **4** Informational Analysis **5** Technological Analysis **6** Organisational Analysis **7** Needs Analysis **8** Change Management in IT projects **9** Risk Management in IT Projects **10** Privacy related issues in IT Projects **11 Defens**

Compétence à acquérir :

At the end of the course, students will be able to:

- Identify, model and improve business processes;
- Analyze the informational dimensions of an organizations (information flux, information quality, information processing);
- Analyze the technological dimensions of an organization (technological constraints related to software, hardware, network and database issues);
- Analyze the organizational dimensions of the IT project (identify key stakeholders, describe organizational culture, find key leverages for change management);
- Formulate a plan of action for the project scope (features, business process changes, use cases);
- Formulate a plan of action for project management (communication plan, implementation plan).

The course will also provide students with elements of IT culture relevant for future managers involved in IT Projects.

Mode de contrôle des connaissances :

- Weekly activities are required from each student, conducted in group. These assignments are graded by peers. Consequently, one of the weekly assignments is the grading of another groups' assignment. - At Week 6, students deliver a first version of the need's analysis. This first deliverable is defended in front of a teacher, acting as senior consultant (20 %) - At week 11, students deliver the final version of the functional specifications (40 %). This deliverable is defended in front of a panel of teachers, acting as the client company. The defense is attributed a grade (40 %). The numerical grade distribution will dictate the final grade. The passing grade for a course is 10/20. **Attendance** Attendance is mandatory. Students are expected to attend all classes, arrive on time, and stay for the entire session. Repeated absences or lateness may affect the final grade. **Class Participation** Active participation is encouraged, as it contributes to making classes more engaging and instructive. Students are expected to come prepared and contribute thoughtfully to discussions. When participation is part of the course assessment, it is evaluated based on the quality of contributions rather than their quantity. **Exam Policy** Students are not allowed to bring any materials into exams, except those explicitly authorized by the instructor. Unexcused absences from exams or failure to submit assigned cases will result in a grade of zero when calculating final averages. All exams must be submitted at the end of the examination period. **Communication and Grading** All questions or concerns regarding grading or course policies must follow the official procedures. No direct negotiation with instructors about grades or assessments is permitted. Be aware of the rules in Université Paris Dauphine about plagiarism and cheating during exams. All work turned in for this course must be your own work, or that of your own group. Working as part of a group implies that you are an active participant and fully contributed to the output produced by that group.

Bibliographie, lectures recommandées :

No bibliography. **Pierre Laniray** is a lecturer and researcher in management science and organizational theory at Dauphine PSL (Paris, France). His research focuses on the digitization of work practices and the influence of this phenomenon on the construction, consolidation and evolution of professional identities. He is a member of the Research Group on Collaborative Spaces(RGCS), which deals with collaborative communities and movements in relation to new work practices (i.e. pluriactives, nomadic workers, teleworkers, intrapreneurs, etc.). **Anouck ADROT** is a graduate of the École Normale Supérieure, with a doctorate and PhD from ParisDauphine University and Georgia State University. She is a senior lecturer at Paris-Dauphine

University. Her work focuses on information transmission and coordination within and between organizations in turbulent contexts such as crisis situations. She is also interested in the emerging dynamics of reinvention or abandonment of information and communication systems in inter-organizational collectives.

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