INTERNATIONAL SUMMER SCHOOL 2022

SYLLABUS

Academic year 2021/2022

International Summer School 2022

Academic and language requirements

Courses are open to Undergraduate and Graduate students providing that applicants have the **pre-requisites** specified in the course's syllabus.

Courses are taught and assessed in English. For non-native speakers of English, B2 (CEFR) or equivalent (TOEFL IBT 72, IELTS 5.0, TOEIC 750) is highly recommended.

Additional information

For details about study programmes offered by EM Normandie please contact:

Adam AHARRAM, International Project Manager
short-term@em-normandie.fr
Laurence BOITEUX, Deputy Director of International Affairs
incoming@em-normandie.fr

Summer School 2022
Paris Clichy from 18 to 28 July

COURSE TITLE	PROJECT MANAGEMENT IN A DIGITAL ERA		
Session and Campus	Paris Clichy – From 18 to 28 July 2022		
Teaching delivery	On campus, attendance mandatory		
Workload (1h = 60 min)	30 class-hours + Independent learning hours	ECTS credits	6
Professors	Josip Marić PhD in Management Information Systems, Professor at EM Normandie, jmaric@em-normandie.fr & Marko Marić Master of Science (MSc) in Civil Engineering, Engineer and a PhD candidate at the Université Toulouse II, marko.maric@univ-tlse2.fr		
Pre-requisite(s) for attending the course	None / Basic experience with computer office software/applications.		
Learning goal(s)	▪ To be a project manager with a strategic overview ▪ To be introduced to managerial skills and tools required for modern project management ▪ To be entrepreneurially minded ▪ To be equipped with efficient business skills		
Learning objective(s)	This course contributes to the following learning objectives of the programDeal with various challenges related to project management in digital business environment. ▪ Understand project management tools and to learn how project management process and concepts work together. ▪ Learn and grow project management vocabulary and adapt to the expectations of the professional world.		
Learning outcome(s)	By the end of this course, participants will be able to: ▪ To understand complexities of project management ▪ To identify the appropriate methodology to solve a problem ▪ To find the right information, describe & analyze the environment for a company whatever the industrial sector		
Course description	**Content:** The course will enable participants to understand basic concepts of project management, such as project lifecycle, project team development and project manager's role, WBS, scheduling, budgeting, risk assessment, as well as introduction to agile and scrum methods. Participants will obtain theoretical knowledge and become capable to effectively put project management principles to work within their own projects, organizational or business contexts. Practical application of acquired knowledge will take place through a dedicated case study demanding teamwork. **Session 1: General introduction and course overview** • Course assessment and workload • Introduction to course topics • Understanding digital business environment **Session 2: Description of the final group project context** • Introduction to Factor Rating Method (FRM) • Case study objectives and business context **Session 3: Project management basics** • Project management definitions		

- Project life-cycle analysis
- Project selection and portfolio management

Session 4: Project's team development
- Project's stakeholders and organizational structure
- Role of project manager
- Work Breakdown Structure (WBS)
- Managing team, conflicts and negotiation

Session 5: Project planning and scheduling
- Project planning
- Critical Path Method (CPM) and Activity-on-Node (AoN)

Session 6: Budgeting and risk assessment
- Cost and budget estimation
- Risk assessment

Session 7: Project monitoring and reporting
- Project monitoring and reporting
- Role of Information Systems (IS) in project management

Session 8: Features of project management in digital era
- Introduction to agile and scrum
- Digital twins in project management
- MCQ test

Session 9: Group project presentations
- Group presentations and in-class debate on proposed group solutions

Session 10: Final course session
- Feedback on group projects and project grades
- Overall course results and individual feedback

Pedagogical approach:
Classes will consist of lectures given by the instructor, business cases & follow-up discussions, as well as in-class student group presentations.

Teaching Material	Students will be provided with a comprehensive in-class material (course slides, case study material for final group projects, additional references, and links for business examples) via course Moodle page.

Evaluation criteria	**Continuous assessment**: 40% - Class participation (20%) - Multiple-Choice Question (MCQ) test (20%)	**Final assessment**:60% - Final group project consisting of a written report (30%) and a final presentation (30%)
Recommended readings	**Books**:	

- Jeffrey K. Pinto (2019). Project Management: Achieving Competitive Advantage, 5th Edition. Pearson (UK).
- Larson, Erik W. & Gray, Clifford F. (2014) Project Management: The Managerial Process. (5th ed.) New York, U.S.: International Edition McGraw-Hill.
- Project Management Institute (PMI) (2009). A Guide to the Project Management Body of Knowledge: (Pmbok Guide). Edition Project Management Institute.
- Jeff Sutherland (2014). Scrum, The Art of Doing Twice the Work in Half the Time. Penguin Random House (UK).
- Lyssa Adkins (2016). Coaching agile teams, A companion for scrum masters, agile coaches and project managers in transition. The Addison-Weslet Signature Series.