

### **Description**

This course is composed of three parts :

- Main methods of Knowledge Management. Students will discover various approaches through case studies. It is followed by theory explaining how to successfully introduce KM in companies. Specific metrics for measuring the progress and benefits will help students to evaluate the ROI.
- Presentation of the (eco) innovation process and dimensions. Influence of Knowledge Management on the excellence of the whole process. Application of above principles through students projects "Creating a successful and sustainable Knowledge-based innovative company"
- Presentation of selected Artificial Intelligence techniques supporting KM and innovation process. Decision support systems.

### **Learning Objectives and Outcomes**

- Take initiatives and successfully manage internal and external knowledge of an organization.
- Practice of holistic and system thinking.
- Become "knowledge cultivators".
- Initiate and successfully manage the e-co-innovation process.
- Acquire the innovation culture.
- Transform computer and other devices to "intelligent" assistant of human with AI.

### **Course Schedule and Contents**

Session#1	<ul style="list-style-type: none"><li>▪ Knowledge Management : discovery of various approaches through case study (Project 1). Analysis of selected cases covering the whole spectrum of this multidisciplinary field.</li><li>▪ Assessment: Presentation Project 1</li><li>▪ Presentation of principal methods and techniques for Knowledge Management.</li></ul>
Session#2	<ul style="list-style-type: none"><li>▪ Presentation of e-co-innovation process, its components and dimensions. Influence of Knowledge Management on the excellence of the whole process.</li><li>▪ Beginning of Project 2: Application of above principles through students projects (two choices)<ul style="list-style-type: none"><li>○ Introducing KM and/or Management of Innovation Process to existing company with integration to IS</li><li>○ Creating a successful and sustainable Knowledge-based Innovative company</li></ul></li></ul>



Session#3

- Technology and Artificial Intelligence supporting Knowledge Management and Innovation Ecosystems
- Work on Project 2

Session#4

- Work on Project 2
- Assessment: Presentation of Project 2

**Grading**

1. Class attendance and active participation (5%)
2. Collaborative case analysis (25%)
3. Activity on collaborative space (10%)
4. Final project (50%)
5. Curiosity and forward thinking (10%)

**Policies**

- I expect you to turn-in your reports on time to receive proper credit/grade.
- Any work submitted must be your own (individual and collaborative).
- I expect everyone to contribute equally to group assignments.
- Attendance in every class is expected; active listening and discussion is strongly encouraged.
- Late work will not be accepted unless prior arrangements have been made directly with me.
- Cases will be decided on an individual basis.

Good Luck!