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## 2EL2710 – Design your way

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**Instructors:** Fabienne Berge

**Department:** DÉPARTEMENT DÉVELOPPEMENT PROFESSIONNEL ET MÉTIERS DE L'INGÉNIEUR

**Language of instruction:** FRANCAIS

**Campus:** CAMPUS DE PARIS - SACLAY

**Workload (HEE):** 60

**On-site hours (HPE):** 35,00

**Elective Category :** Business Sciences

**Advanced level :** No

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### Description

This course covers the fundamentals of self-knowledge (intellectual and relational functioning) and integrates the principles of Design Thinking in the construction of one's choices and career path. It is based in particular on the work of Stanford's Life Design Lab, which is well appreciated by students. It allows you to work on self-esteem, and to prepare for important choices to come. It also offers a framework for integrating different learning experiences at school (in class, API and APP workshops, Student organizations, sports highlights, etc.).

This course deals with the question of the freedom and responsibility of each individual in his or her school career, his or her choices of orientation, or the way to exercise his or her future profession as an engineer, based on guided introspection/reflection on concrete situations exposed (group discussions, videos, theoretical contributions). It leads to a greater awareness and capacity for individual questioning on the adequacy between one's actions and decisions, and one's own values. It gives students the opportunity to take a step back and think about their life view and work view.

It involves a significant individual commitment and work (readings, and Inter-Sessional Works).

Elective objectives: awareness of one's own individual functioning as well as that of others, for better autonomy and resilience in the face of choices and different stages of student and professional life. Awaken students to what influences their decision-making, as soon as they make their choices of curriculum and employment. Gain clarity, self confidence, and ability to inspire trust.

### Quarter number

SG6 (in intensive week) and SG8



### **Prerequisites (in terms of CS courses)**

None

### **Syllabus**

1 - My past and present: Self-knowledge module with an Introduction that notes the difficulty of connecting with oneself (ref to Edgard Morin and Henri Bergson) in today's volatile, complex, uncertain world - Myers Briggs Type Indicator (MBTI) well recognized preference questionnaire that allows us to identify our inner preferences (in everyday life, with others, in our work environments) - Course on multiple intelligences : identify your resources among the 8 different forms of intelligence identified (cf Howard Gardner's model) in order to make the best use of them - Time to reflect on your values and motivational drivers to put at the heart of your life plan - time to integrate the different learning (courses, API, APP, student organizations, sports, company meetings, internship op...).

2 - My future: Use the Design Thinking tools and mindset to discover and develop the ability to generate new ideas when faced with a choice, and to adopt the right attitude at the end of a cycle (end of studies, end of a job or internship) in order to prepare to rebound towards the next cycle - Writing exercise (life view / work view) - Reflection work on 3 possible future scenarios (5-year period Odyssey plan).

### **Class components (lecture, labs, etc.)**

Mix of theoretical and practical sessions. Mix of individual work and small group discussions. Training sessions to pitch on a project. Learning of graphic thinking tools/ visual dashboard design to work on possible scenarios - Video production - Book reading.

### **Grading**

Presence - Involvement - Personal and team productions (essays + video) after each TD – book readings and presentations

### **Resources**

- Teaching team (names of the teachers of the lectures): Fabienne Bergé - Catherine Chapuis
- Size of the TDs (default 35 students): 35 students maximum

### **Learning outcomes covered on the course**

At the end of this course, the student will be able to : make better choices, introduce yourself to recruiters, be less dependent on others, be agile in a volatile and uncertain world where you need to know where you stand, better assess your priorities and acquire good reflexes to manage the



breaks or rebounds to be made during your professional life, acquire a better ability to step back, develop your ability to generate ideas.

Skills Worked: C3, C7.2, C7.3, C9

**Description of the skills acquired at the end of the course**

C3 : Act, engage, innovate within a scientific and technological environment

C7.2 : Persuade through interpersonal relations to understand the needs and expectations of multiple participants in a dialogue, elicit reactions and create a climate of trust

C7.3 : Persuade by working on oneself; to be at ease within any environment, to work with both confidence and empathy, managing one's emotions and using communicative strategies.

C9 : Think and act as an accountable ethical professional