

HUM-498(c)

China Project III

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| Cursus | Sem. | Type |
|-------------------|-------------|-------------|
| Mineur STAS Chine | H | Obl. |

| | |
|----------------------------|---------------------|
| Language of teaching | English |
| Credits | 10 |
| Session | Winter |
| Semester | Fall |
| Exam | During the semester |
| Workload | 300h |
| Weeks | 14 |
| Hours | 3 weekly |
| Project | 3 weekly |
| Number of positions | |

Remark

MA3 only

Summary

The course concludes the development of the prototype of a connected device. It develops competences related to prototype development, project management and team work.

Content

The course is composed of two parts:

1) Summer School

- Development of skills around the project (pitching, user tests)
- Prototyping/small batch manufacturing

2) Autumn

- Further iteration of the connected device (with user tests)
- Analysis regarding the process and result of the development

The format is project-based.

Keywords

project management, team work, prototyping, experiential learning

Learning Prerequisites**Required courses**

Successful completion of HUM-498(a) and HUM-498(b)

Recommended courses

HUM-440(a+b)

Learning Outcomes

By the end of the course, the student must be able to:

- Report the evolution of the engineering design
- Solve remaining technical problems
- Assess / Evaluate individual learning

- Realize a functional prototype

Transversal skills

- Write a scientific or technical report.
- Chair a meeting to achieve a particular agenda, maximising participation.
- Assess one's own level of skill acquisition, and plan their on-going learning goals.
- Make an oral presentation.
- Continue to work through difficulties or initial failure to find optimal solutions.

Teaching methods

Workshop, fieldwork, individual and group work, project

Expected student activities

- Participation in summer school
- Participation in a workshop on project valorization
- Work in a team to develop a connected device

Assessment methods

Transversal skills (1/6) oral presentations, reflective note on project, documentation of activities
Project realization (5/6) in accordance to project supervisor's grading scheme

Resources

Websites

- <http://www.chi.camp>