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

Content
The course is composed of two parts:
1) Summer (Greater China)
   - Study of the Hong-Kong/Shenzhen eco-system and production networks
   - Prototyping/small batch manufacturing in Shenzhen and interaction with Chinese designers and makers
2) Autumn (EPFL)
   - Further iteration of the connected device
   - Analysis regarding the process and result of the development
The format is project-based.

Keywords
project management, team work, prototyping, intercultural management, 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

• Travel to Hong Kong and Shenzhen (summer)
• Participation in a workshop on intercultural management
• Work in a team to develop a connected device
• Peer-teaching with fellow students

Assessment methods

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

Resources

Websites
• http://www.chi.camp