

MGT-404

Economics of innovation and IP

de Rassenfosse Gaétan

Cursus	Sem.	Type
Life Sciences Engineering	MA2, MA4	Opt.
Management, Technology and Entrepreneurship minor	E	Opt.
Managmt, tech et entr.	MA2, MA4	Opt.

Language of teaching	English
Credits	4
Session	Summer
Semester	Spring
Exam	Oral
Workload	120h
Weeks	14
Hours	3 weekly
Courses	3 weekly
Number of positions	

Summary

This class provides an introduction to the economics of innovation and intellectual property (IP). The first part explains intuitively key economic concepts related to innovation and innovation policy. The second part introduces elements of IP strategy through case studies, debates and speakers.

Content

- Foundation of economics of innovation
- Market failure and innovation policy
- Introduction to intellectual property
- Strategic management of intellectual property

Keywords

innovation, intellectual property, patent, strategy, economics

Learning Prerequisites**Required courses**

None.

Recommended courses

MGT-411 : Innovation management

MGT-414 : Technology & innovation strategy

Learning Outcomes

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

- Explain key concepts related to the economics of science and technology
- Examine the IP strategy of a firm
- Advise on matters related to IP strategy

Transversal skills

- Plan and carry out activities in a way which makes optimal use of available time and other resources.

- Take account of the social and human dimensions of the engineering profession.
- Demonstrate the capacity for critical thinking
- Make an oral presentation.
- Communicate effectively, being understood, including across different languages and cultures.

Teaching methods

The teaching method involves a mix of formal lectures, case studies, external speakers, and project work.

Expected student activities

- Attending lectures
- Doing a project
- Reading written material
- Preparing case studies
- Debating

Assessment methods

- Class participation (submission of cases): 25%
- Project: 25%
- Oral exam: 50%

Supervision

Office hours	Yes
Assistants	Yes
Forum	No

Resources

Virtual desktop infrastructure (VDI)

No

Notes/Handbook

Slides will be provided when possible. Students are encouraged to take notes.

Moodle Link

- <http://moodle.epfl.ch/course/view.php?id=12801>