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, debates, and project.

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
<table>
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<tr>
<th>Office hours</th>
<th>Yes</th>
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<td>Assistants</td>
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<td>Forum</td>
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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