

Course Outline 2014
MGMT 726: TECHNOLOGY MANAGEMENT (15 POINTS)
Semester 2 (1145)

Course Prescription

Examines the challenge of integrating technical, organizational and commercial considerations. Presents different frameworks and theories to manage technology in organizations. Topics include technology strategy, technology road mapping, commercializing technology and how to manage engineers and scientists.

Programme and Course Advice

Prerequisite: n/a

Restriction: n/a

Goals of the Course

1. To equip students with state of the art knowledge on technology management.
2. To enable students to carry out independent and original research on important and cutting-edge questions in technology management.

Learning Outcomes

By the end of this course it is expected that the student will be able to:

1. Demonstrate a deep understanding of key theories in the technology management literature.
2. Demonstrate reflective and critical thinking on managerial and organizational challenges related to technology.
3. Design and carry out original research projects.

Content Outline

Week 1	Introduction / technology
Week 2	Technological systems
Week 3	Science, technology and society (STS)
Week 4	Technology management
Week 5	Technology intelligence
Week 6	Technology and intellectual property
Week 7	Engineering techno-social systems
Week 8	Technology alliances, collaborations, consortia & Public Private Partnerships
Week 9	Technology investment and "make or buy"
Week 10	Asset management
Week 11	Technology risk management
Week 12	Strategic technology management

Learning and Teaching

The anticipated class size should be quite small and, in any case, not exceed 25 students. The class will meet for three hours each week. Class time will be used for a combination of lectures, discussions and presentations. As classes will be highly interactive, it is expected from all students to arrive prepared to each session, which is also reflected in the assessment of this course.

Teaching Staff

Dr. Thomas Bohné

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Learning Resources

Each lecture relies on a set of readings, which will be announced on the CECIL course page, usually one week before a session.

Assessment

Individual Assignment 1 (Reflection Papers)	40%
Individual Assignment 2 (Essay)	30%
Individual Assignment 3 (Research Paper)	30%
Total	<u>100%</u>

Further details on these assessments will be provided in the extended course outline and at our first lecture.

The broad relationship between these assessments and the course learning outcomes is as follows:

Learning Outcome	Assignment 1	Assignment 2	Assignment 3
1	X	X	
2		X	X
3			X

Inclusive Learning

Students are urged to discuss privately any impairment-related requirements face-to-face and/or in written form with the course convenor/lecturer and/or tutor.

Student Feedback

Feedback will be sought about your experience towards the end of the course and fast feedback will be sought during the semester. Any other feedback about the course can be given to the lecturer.