

HUM-426

Phasing-out, innovation through withdrawal II

Vinck Dominique

Cursus	Sem.	Type
Humanities and Social Sciences	MA2	Obl.

Language of teaching	English
Credits	3
Withdrawal	Unauthorized
Session	Summer
Semester	Spring
Exam	During the semester
Workload	90h
Weeks	14
Hours	3 weekly
Project	3 weekly
Number of positions	60

It is not allowed to withdraw from this subject after the registration deadline.

Remark

Une seule inscription à un cours SHS+MGT autorisée. En cas d'inscriptions multiples elles seront toutes supprimées sans notification. Student can work in French and English.

Summary

The course aims at the acquisition of concepts and methods of Science and Technology Studies in order to learn how to decipher the intricacies of science and technology in society by mobilizing these elements in relation to the general issues addressed in the teaching of innovation by withdrawal.

Content**The dynamics of innovation: the case of innovation issued from the Montreux Jazz Festival**

The teaching is structured around an individual (or by group of two students) investigation, each on an on going innovation related to the Montreux Jazz Festival and to its 46 years of video archives. The teaching introduces basic concepts, investigation methods and analytical frameworks to follow, describe and analyze innovation process (production and mobilization of knowledge, the modeling work, the games of innovation actors, issues and questions that are important to the economy and society, debates and controversies, competition, innovation management, entrepreneurship, funding and regulation). At the end of the teaching, each student (or group of two) will have written a book chapter or a scientific article which would be published. All the teaching is oriented toward a paper which could be published.

In collaboration with Alain Dufaux (Centre MetaMedia - EPFL).

Keywords

Invention, innovation, diffusion, dynamic of use, shaping of technologies, socio-technical network.

Learning Prerequisites**Required courses**

Science, technology and society I

Recommended courses

HUM-229 - Science, technologie et société B - Science and engineering in action

Important concepts to start the course

invention, innovation (different sub-concepts), dissemination, translation

Learning Outcomes

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

- Conduct a study on an innovation product or process
- Formulate an hypothesis on the innovation dynamics process
- Interpret the data collected during the study

Transversal skills

- Plan and carry out activities in a way which makes optimal use of available time and other resources.
- Access and evaluate appropriate sources of information.
- Use a work methodology appropriate to the task.
- Collect data.
- Write a scientific or technical report.

Teaching methods

Seminar and follow-up of the preliminary work in the research project, individually or in small groups. It can rely on work experience in business, with a distanced examination of professional practice.

Expected student activities

- Writing of a paper which could be published into scientific book or journal.

Assessment methods

Spring semester evaluation is about the written paper (a contribution to the understanding of on processes in an ongoing innovation); it will be validated if publishable. The professor is in charge to negotiate the publication with a scientific publisher.

Supervision

Office hours	No
Assistants	Yes
Forum	Yes

Resources

Bibliography

- Vinck D. (2010), *The sociology of scientific work*, Cheltenham : Edward Elgar. (French version: *Sciences et société. Sociologie du travail scientifique*. Paris : Armand Colin, 2007 ; spanish version: *Ciencias y sociedad*, Barcelona : Gedisa, 2014).
 - Vinck D. (2003), *Everyday engineering. Everyday engineering. Ethnography of design and innovation*. Cambridge MA : MIT. (French version, *Ingénieurs au quotidien. Ethnographie de l'activité de conception et d'innovation*, Grenoble : PUG, 2000 ; portuguese version *Engenheiros no Cotidiano. Etnografia da Atividade de Projeto e Inovação*, Bello Horizonte : Fabrefactum, 2013).
- Journals
- Revue d'Anthropologie des Connaissances ; Science, Technology and Human Values ; Social Studies of Science ; Science and Technology Studies ; Engineering studies.

Ressources en bibliothèque

- Vinck D. (2017), *Critical Studies of Innovation. Alternative Approaches to the Pro-Innovation Bias*
- Goulet F., Vinck D. (2022), *Faire sans, faire avec moins. Les nouveaux horizons de l'innovation*
- Godin, B., Gaglio, G., Vinck, D. (eds.) (2021). *Handbook on Alternative Theories of Innovation*
- Bonneuil C., Joly P.B. (2013), *Sciences, techniques et société*
- Vinck D. (2007), *Sciences et société. Sociologie du travail scientifique*
- Vinck D. (2000), *Ingénieurs au quotidien. Ethnographie de l'activité de conception et d'innovation*

Moodle Link

- <https://go.epfl.ch/HUM-426>