



APPLIES TO ACADEMIC YEAR 2010/2011

## DRE 5012 Foundations of Innovation and Industrial Dynamics

### Programme

Innovation and Entrepreneurship

### Responsible for the course

### Department

Department of Innovation and Economic Organisation

### Term

According to study plan

### ECTS Credits

6

### Language of instruction

English

### Introduction

**Please note that this course will be revised before it is offered again.**

This course presents and discusses foundational theories of innovation and industrial dynamics. It also presents a variety of analytical frameworks for analyzing the dynamics of industrial and institutional conditions associated with innovation processes in particular industries or regions. Industrial conditions include the technologies, markets and competitive patterns that prevail in particular industrial sectors. Institutional conditions include the governance, employment and financial regulatory and structural environments within which business enterprise operate. This includes the regulatory entities that are there to foster and to balance the effectiveness, growth and stability of the overall economy.

Within this overall framing and drawing on comparative economic, sociological and historical industrial research, the course explores theoretical approaches to analyzing the role of and characteristics of innovation processes in generating and shaping economic development in different industries.

### Learning outcome

#### Learning outcomes:

The course will give the participants an overview as well as in depth understanding of major theories, research areas and issues within innovation research at analytical levels ranging from the firm level to the industrial and the macro economic levels. Through a combination of lectures, seminars and paper writing exercises the students will be trained to position their work and to frame their research in relation to the various schools of thought. From there the course aims at clarifying and reflecting upon what constitutes a theoretical contribution at the frontier of innovation research, and what research designs are likely to be the more productive at the levels of analysis addressed by the course.

### Prerequisites

Admission to a PhD Programme is a general requirement for participation in PhD courses at BI Norwegian School of Management.

External candidates are kindly asked to attach confirmation of admission to a PhD programme when signing up for a course with the doctoral administration. Candidates can be allowed to sit in on courses by approval of the courseleader. Sitting in on courses does not permit registration for courses, handing in exams or gaining credits for the course. Course certificates or conformation letters will not be issued for sitting in on courses

### Compulsory reading

#### Collection of articles:

Compendium of articles and book chapters

### Recommended reading

### Course outline

Topics covered:

Innovative enterprise and innovation processes  
Innovation, clusters and knowledge hubs  
Innovation systems and innovation in business networks  
Innovation, regulations and financial dynamics  
Institutional innovations and industrial dynamics  
Innovation studies and theory development

**Computer-based tools**

Not applicable

**Learning process and workload**

**Examination**

A paper of about 20 pages is required in addition to active participation in the seminars. Each student will be asked to give a presentation based on his or her thesis work and the seminar literature. The evaluation will be based on the student's participation in the seminar as well as his/her paper.

The paper should be original work, and be written specifically for this course.

The grade is pass/fail

**Examination code(s)**

DRE 50121 accounts for 100% of the grade

**Examination support materials**

Not applicable

**Re-sit examination**

Next time the course is offered.

**Additional information**

**Honour Code**

Academic honesty and trust are important to all of us as individuals, and represent values that are encouraged and promoted by the honour code system. This is a most significant university tradition. Students are responsible for familiarizing themselves with the ideals of the honour code system, to which the faculty are also deeply committed.

Any violation of the honour code will be dealt with in accordance with BI's procedures for cheating. These issues are a serious matter to everyone associated with the programs at BI and are at the heart of the honor code and academic integrity. If you have any questions about your responsibilities under the honour code, please ask.