

Module description for module 6: Industrial dynamics. Regions, clusters and evolution

Module title, ECTS credits (and possibly STADS code) <i>Industrial dynamics. Regions, clusters and evolution</i> 5 ECTS
Location <i>2nd semester</i>
Module coordinator <i>Christian Richter Østergaard</i>
Type and language <i>Type: compulsory course module</i> <i>Language: English</i>
Objectives Formålet med Modul 6 er – med udgangspunkt i innovationssystemsperspektivet - at give den studerende viden om en række modeller til forståelse og analyse af evolution i erhvervsstrukturer. <i>The objectives of the course are to provide students with an understanding of main theories and concepts within industrial dynamics. The course is based on an innovation system perspective on industrial dynamics. It will introduce students to theories and models of how industries and industry structures evolve and the role played by technological change, geography, regions and clusters in these processes. The course draws implications for management strategies and for public policy.</i> <i>Learning outcomes</i> <i>Upon successful completion of the course the student will have gained</i> <ul style="list-style-type: none">• <i>knowledge</i><ul style="list-style-type: none">○ <i>of main concepts, definitions, theories and models related to industrial dynamics</i>○ <i>of theories and models on how to analyse evolution in industry structure based on an innovation system perspective</i>○ <i>of main theories of cluster evolution and regional industrial evolution</i>• <i>skills</i><ul style="list-style-type: none">○ <i>to analyse the evolution of industries and in industry structure</i>○ <i>to analyse how different innovation systems affect processes of industrial dynamics</i>○ <i>to analyse role of technological change and geographically bounded processes in industrial dynamics</i>• <i>competences</i><ul style="list-style-type: none">○ <i>to conduct, structure and report the results of research on industrial dynamics and the implications for management strategies and for public policy.</i>
Academic content and conjunction with other modules/semesters <i>The focus in module 6 is on industrial dynamics based on an innovation systems perspective. The course will introduce students to theories on how industries and clusters evolve and how regional industrial structures change. The course will to some extent draw on lessons learnt from innovation management module 2 and module 1. Module 6 creates knowledge, skills and competences that can be used in the semester project or in later projects.</i>
Scope and expected performance

Module 6 consists of 5 ECTS which is equivalent to 137.5 hours of work. 24 of these are spent in class and it is expected that the students spend two hours preparing for each hour in class. In addition it is expected that students review the course material prior to the 48 hour exam. This preparation along with the actual exam should be expected to take 65 hours.

Participants

MIKE-B and MIKE-E students

Prerequisites for participation

Enrolment in MIKE-B or MIKE-E

Module activities (course sessions etc.)

See moodle

Examination

48 hour written internal exam.

Evaluation criteria

The grade '12' is given for an excellent performance displaying a high level of command of all aspects of the relevant material, with no or only a few minor weaknesses.