

## Module description for module 1: The Innovation System Perspective. Origins and applications

<b>Module title, ECTS credits (and possibly STADS code)</b> <i>The Innovation System Perspective. Origins and applications</i> 5 ECTS
<b>Location</b> <i>1<sup>st</sup> semester</i>
<b>Module coordinator</b> <i>Eunkyung Park</i>
<b>Type and language</b> <i>Type: compulsory course module</i> <i>Language: English</i>
<b>Objectives</b> <i>The main aim of the course is to introduce central concepts and frameworks within innovation system literature and discuss application of the concepts and theories. We will define and discuss different types of innovation systems and clusters theoretically as well as empirically, emphasizing the relations between institutions, institutional change and innovation and the role of geography in these relations. The course intends to draw implications for management strategies and for public policy as the understanding of innovation system will allow students to reflect on the systematic nature of innovation in formulating strategies of individuals and organizations today.</i>
<b>Teaching methods</b> <i>The course will consist of lectures with two-four hours length. Some classes will include student seminar, in-class exercises, discussion, or audio-visual content that are designed to deepen the students' understanding. These in-class activities will not be graded. The students are encouraged to ask questions during the lectures. Students are also welcome to post questions and engage into discussion via the message board on Moodle.</i> <i>Students are expected to prepare for the class and participate actively in the in-class exercises. Students are also expected to have acquired the relevant literature and read it prior to the lecture. Some of the literature must be downloaded through Aalborg University Library, while other readings will be made available online through Moodle. Slides may be made available electronically. It is up to the individual lecturer whether the slides are posted on Moodle before the start of the lecture.</i>
<b>Learning Outcomes</b> <i>Upon successful completion of the course the student will have gained</i> <ul style="list-style-type: none"><li>• <i>knowledge</i><ul style="list-style-type: none"><li>○ <i>of definitions and concepts that are central in the literature of innovation systems</i></li><li>○ <i>of the history and origins of these concepts.</i></li><li>○ <i>of different components of innovation systems and relations among the components</i></li></ul></li><li>• <i>skills</i><ul style="list-style-type: none"><li>○ <i>to apply these concepts and frameworks in the understanding the creation and diffusion of innovation in various levels of innovation systems</i></li><li>○ <i>to apply these concepts and frameworks in the understanding of the actions and decisions of individuals and organizations in the process of innovation and entrepreneurship</i></li></ul></li><li>• <i>competences</i></li></ul>

- to use central concepts and theories of innovation systems in the analyses of relevant research questions

**Academic content and conjunction with other modules/semesters**

Module 1 is focussed on giving students general appreciation of innovation system framework. The module hence simultaneously forms the basis for the remaining modules and later semesters of the study programme, and gives students the opportunity to see how the contents of the theories introduced in other modules and in the 2<sup>nd</sup> semester can be approached from multiple angles.

**Scope and expected performance**

Module 1 consists of 5 ECTS which is equivalent to 137.5 hours of work. 28 of these are spent in class and it is expected that the students spend two hours preparing for each hour in class. Over the period of the course and in the ensuing weeks students are expected to spend 25 hours writing an essay. In addition it is expected that students review the course material prior to the exam. This preparation along with the actual exam should be expected to take 30 hours.

**Participants**

MIKE-B and MIKE-E students

**Prerequisites for participation**

Enrolment in MIKE-B or MIKE-E

**Module activities (course sessions etc.)**

Double lectures and student seminars

**Examination**

Each student will individually write an essay based on the literature and lectures. The details of this essay will be announced in the introduction to course. The grading is according to the Danish 7-point marking scale. The examination weights 5 ECTS. The grade '12' is given for an excellent essay displaying a high level of command of all aspects of the relevant material, with no or only a few minor weaknesses.