Syllabus
User Innovation (2nd year)
(3 ECTS)

Approved by
Academic Council
of the Master's Programme
Minutes 04242018/AC1

Author, lecturer (e-mail, web page):
Konstantin Fursov (ksfursov@hse.ru, https://www.hse.ru/en/staff/fursov)

Course director:
Konstantin Fursov

1. Course Description
The course is delivered to master students of The National Research University - Higher School of Economics. It is delivered in one module. The course length is 114 academic hours in total of which 32 hours are class room hours for lectures and seminars and 82 hours are devoted to self study.

a. Pre-requisites
Formative reading

b. Abstract
The development of user-driven innovation has been conceptualized by academic research now for quite some time arguing for an idea that users may show remarkable levels of sophistication in adopting or creating new products. This phenomenon has ever since triggered the interest of scholars. Active individuals who are ahead of the market and could be engaged in co-creation of certain goods and services together with firms since then are considered as one of the driving forces of innovation as well as firms aiming at problem-solving that innovate mostly for themselves. Recent contributions enthusiastically have long moved beyond the original demographic studies of user innovation and discuss how users can be motivated and their creative potential be harvested, which tools can be used for successful implementation of innovation, what is the role of amateur or hobbyist communities in innovation generation, etc.

The course welcomes all those interested in social studies of innovation, science, technology and innovation studies.

c. Course language
English
2. Learning objectives

- Understanding of the importance and connectedness of user-driven innovation for economic and social development.
- Clarification of basic concepts used in literature to describe user-driven innovation as an economic and social phenomenon.
- Reflection on key tensions that appear in scientific papers standing for different approaches to conceptualization and analysis of issues related to innovation development and diffusion and engagement of users.

3. Learning outcomes

- Understanding research terminology
- Understanding the types of innovation and role of users in generation and dissemination of new ideas and practices
- Ability to use theory and previous research to create research questions and hypotheses
- Ability to independently develop a user-innovation study

4. Thematic Plan

The course spans one academic module. The teaching is based on selected writings and experiences of faculty members.

Lectures are organized in order to clarify major concepts and categories used in user innovation studies and integrates current knowledge in innovation development and diffusion. Seminars will follow lectures. They are aimed at sharing participant’s reflections on the approaches introduced in the literature and developing analytical and practical abilities required to discuss at highly professional level topics aroused during the course.

a. Lectures

Topics

- Innovation by users and lead users
- Innovation Communities and Community Economics
- Innovation toolkits
- Innovation Policy, Innovation Measurement
- Research methods and practical issues

b. Seminars

Seminars consist of practical sessions and moderated discussions that will provide students with indispensable abilities for social analysis of user-innovation.

During seminars, students will discuss particular cases of user engagement in innovation development and problems introduced in the papers included in the essential reading list for each lecture (marked as basic literature). Students are welcome to undertake a broader optional reading that may assist in building up stronger argumentation and help greatly both in writing an essay. Questions for discussion will be announced in advance, therefore, all participant are expected to get prepared for the seminar.
5. Programme Contents

1. *Innovation by users and lead users*

Role of individuals and households in innovation development. A manufacture-centered paradigm and the consumer-centered paradigm and their integration. Mere users and lead users Differences between individuals who successfully carry out innovation projects in the household sector and those who do not. Factors to increase the amount of successful innovation.

*Recommended literature:*


2. *Innovation Communities and Community Economics*


*Recommended literature:*


3. **Innovation toolkits**

Practical applications and ways to organize and support user-driven innovation. Guidance for users to ensure innovation design and for producers to elaborate integrated circuits to the development of customized products.

**Recommended literature:**


4. **Innovation Policy, Innovation Measurement**

Measurement of user innovation and the transfer of user innovations to producers within and beyond existing statistical frameworks. National surveys on user-driven innovation. Innovation policies and practices needed to support innovation by individual and corporate users.

**Recommended literature:**


5. **Research methods and practical issues**

Research tools to study user innovation. New methods for dividing up tasks, for experimenting in parallel, and for identifying rare individuals who might have something important to contribute. A practical guide for lead user project teams and its applications.
**Recommended literature:**


**6. Grading system**

The overall course grade G (10-point scale) is calculated by the formula:

\[ G = 0.7 \times E + 0.3 \times C, \]

includes results achieved by students in their written essay (E) and colloquium (C); it is rounded up to an integer number of points.

**Summary Table: Correspondence of ten-point to five-point system’s marks**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – unsatisfactory</td>
<td>Unsatisfactory – 2</td>
</tr>
<tr>
<td>2 – very bad</td>
<td></td>
</tr>
<tr>
<td>3 – bad</td>
<td></td>
</tr>
<tr>
<td>4 – satisfactory</td>
<td>Satisfactory – 3</td>
</tr>
<tr>
<td>5 – quite satisfactory</td>
<td></td>
</tr>
<tr>
<td>6 – good</td>
<td>Good – 4</td>
</tr>
<tr>
<td>7 – very good</td>
<td></td>
</tr>
<tr>
<td>8 – nearly excellent</td>
<td>Excellent – 5</td>
</tr>
<tr>
<td>9 – excellent</td>
<td></td>
</tr>
<tr>
<td>10 – brilliant</td>
<td></td>
</tr>
</tbody>
</table>

**7. Course assignments**

**a. Essay (E)**

During the course, students will be asked to write one short essay of around 3000-5000 words developing a particular topic covered by the course. Essay is a piece of written work focused on a suggested or selected topic and considering one particular case of user innovation. Essay should answer the following criteria:

1) Aims and objectives – research question, aims and objectives are concisely elaborated. Significance emerges logically from construction of argument and clearly articulated.

2) Background and literature review – creative and organised literature review that outlines the background and context for the research project.

3) Methodology – creative and appropriate methodology is clearly articulated and justified.
4) Presentation – proposal is logical in its construction with minimal spelling, punctuation or grammatical errors. In-text and reference list consistently adhere to a single Author-date system throughout.

b. Colloquium (C)
Participation in group discussions at which students deliver addresses on their essay topic and then answer questions relating to them. There are two colloquiums during the course. During a mid-term colloquium, students will be asked to present their essay topics and suggested strategy of analysis for the selected case study. During the second colloquium students will be asked to defend their essay in a form of a presentation explaining the achieved results. Each colloquium is assessed by 10-grade scale. Both grades are taken into consideration for the final grade calculation.

8. Examination type
There is no final exam at the course. The grade is cumulative and depends on the implementation of home assignments.

9. Methods of instruction
The course combines lectures and seminars through a participatory sessions and group work. Lectures are designed to clarify major theoretical concepts and international experiences employed in regional STI policy studies. Seminars are aimed at sharing the students’ reflections on the approaches introduced in the literature and developing analytical and practical abilities required to professionally discuss topics aroused during the course. The students are expected to be ready for discussions using the recommended readings and lecture materials.

10. HSE Library e-resources
HSE Library e-resources: https://library.hse.ru/en/e-resources

11. Software Support, including Open-Source Database Software
- Microsoft Windows 7 Professional RUS: internal university network (agreement)
- Microsoft Windows 10: internal university network (agreement)
- Microsoft Windows 8.1 Professional RUS: internal university network (agreement)
- Microsoft Office Professional Plus 2010: internal university network (agreement)

12. Special Equipment
Classrooms for lectures provide proper use and presentations of particular topics, specifically:
- PC with internet access and office software or laptop
- multimedia projector
- screen
- flipchart