Course PM FLE3010 "Innovation in academic research-Immaterial property rights and communication of research results"

Credits: A passed course will give 3 ECTS credits (hp) in your research education.

Course requirements and examination:

To pass the course you will need to:

- Be present at all three days of the course.
- Perform a patent information search relating to your research area according to instructions in seminar 2, and also send in a report on your results.
- Make a brief inventory of different types of IP assets in your research area, based on guidelines and instructions that you get in seminar 3.

Intended learning outcomes

On completion of the course, the student should be able to:

- Describe the basic concepts in Intellectual Property Rights (IPR)
- Find, evaluate and identify technical information from patent literature within his/her research area
- Identify Intellectual Property assets within a research project

Schedule and course content

Day 1: 12th of October 9-16 Salongen (KTH Library)

Mats Nordenborg, lawyer specialized in IPR, the Swedish Patent and Trade Office (PRV) and Rosa Lönneborg (KTH Library).
9-12 am, Seminar 1: Basic knowledge about Intellectual Property Rights (9-12 am)

This seminar will give you an introduction to Intellectual Property Rights (IPR) and how different aspects of IPR are relevant to academic research. Focus will be on Patents and Copyright, but there will also be an overview of Industrial design and Trademarks.

13-16 pm, Workshop 1: IPR in academic research

You will work with a case of a collaborative research project and discuss the importance of Intellectual property (IP) in agreements with funding agencies, collaboration partners, publishing

companies, etc. We will identify potential areas of conflict when it comes to IP and discuss solutions on how to deal with these. Example of discussion topics: what happens with the Copyright when you sign a publishing agreement? Is there a conflict when a funding agency demands for open science when you also signed an IP agreement with a commercial collaboration partner? Who owns the IP?

Day 2: 19th of October 9-16, room Fantum at Lindstedtsvägen 24.

Christin Wendel, patent engineer (PRV), Fredrik Rahm, patent attorney (AWA) and Dr Rosa Lönneborg (KTH Library)

9-12 am, Seminar 2: The patenting process and using patents as a source of information

This seminar will give you knowledge about the patent application process and key considerations when applying for a patent. We will also discuss how to interpret a patent document to find relevant technical and legal information.

13-16 pm , Workshop 2: IP strategies and using patents as an information source
NB: Bring your laptops; the seminar includes a practical search session.
In session 1, you will hear about IP strategies for academic startups and have some time to discuss suitable forms of IP protection in your area of research. In session 2, you will use the patent databases available at KTH and learn how to search systematically for patent information and find patents within your research area during a practical computer session.

Day 3: 26th of October 9-16, room Salongen at KTH Library

Gustav Notander, technology transfer manager (KTH Innovation)
9-12 am, Seminar 3: Commercialization of research results
This seminar will give an overview of different aspects of IP as a tool in the commercialization of research results and the different routes to the market. You will also get information about the innovation support available to student and researchers at KTH.

13-16 pm, Workshop 3: Commercialization of research results
26th of October 13-16 pm, Salongen at KTH Library

This workshop will provide you with tools needed to make an IP inventory of different types of intellectual property that may arise in a research project and strategies for how to take them to the market.

Assignment 1:

Select an appropriate database with patent content and search within your research area. Locate at least **4 fulltext patents** that are relevant for your research.

-Read and summarize the **technical content** with your own words for each patent (1/2-1 A4 page in total).

-Refer to the patents correctly and also give an account for patent family size and citations and what database you get this information from

-Include a brief description of keywords/patent classification codes you used to find the patent documents.

-Refer to the legal status on the level of application/granted patents in the patent family.

Note: If you have a non-technical research area where patents are of minor relevance, contact the course responsible for an alternative assignment.

Assignment 2:

Identify the different types of intellectual property that are created in a research project(s), how they potentially could create value and impact with that IP, and how you should or could protect the IP.
NB: This is not a detailed description of specific results or inventions, but rather a discussion around the types of IP created and how the IP could create value.

Course literature:

Will be sent out prior to the second seminar and consists of selected patents and hand-outs related to what is presented on seminars.

For questions, please contact course responsible and examiner: Dr Rosa Lönneborg KTH Library, at
rosa@kth.se or 08-790 89 72.