

DTU Patent Course 2011

For PhD students Week 3, Monday, 17 January to Friday, 21 January 2011

Friday, January 07, 2011
Vers. 1.05

Objective: give future researchers an insight and training in Intellectual Property Rights (IPR) and technology transfer that allows them to properly handle early-stage research-based inventions and to work efficiently together with tech-trans specialists in commercializing and industrial implementation.

Course specifications: 1 week, 3 ECTS concentrated course on technology transfer from research to industry & business., including intellectual property rights, patent law, licensing principles, rules & agreements, business formation, cases and more...

Textbook: recommended pre-readings: "Inventing Entrepreneurs" Technology Innovators and their Entrepreneurial journey. Gerard George, Adam J. Bock. Pearson Prentice Hall, 2009, ISBN-13: 978-0-13-157470-0, ISBN-10: 0-13-157470-1. Authors note: " -- to provide direction, guidance, and insight to faculty members and students interested in pursuing an entrepreneurial path". Including central chapter: 4: Technology Licensing, chapter 6: The Entrepreneurial Academic and chapter 8: Sample Journeys.

Enrollment: via STADS. Also fill out the [ID form](#) and return it to johe<att>man.dtu.dk for group formation.

Location: Build. 427, room 119: [click here](#) for map

Other:

You need to sign a non-disclosure agreement that will be sent to you before course opening session.

Course plan

MONDAY 17 January

Morning:

Introduction to 42799

10:00 – 12:00 am

John Heebøll

- Course overview
- Learning objectives
- Group formation
- Practicalities & FAQs
- Signing NDAs

Afternoon:

IPR: Legal basics.

01:00 - 04:00 pm

IPR Basics

Hegner & partners 5 X 35 min.
Anette Hegener
Andreas Tycho

1. Introduction to the legal world of IPR
2. What is a patent?
3. Inventive step/International treatises.
4. Infringement and strategy.
5. Differences in national rules.

TUESDAY 18 january

Morning:

Agreements in technology transfer and commercialization

DTU - AFI **09:30 – 12:00 am**
Department of research and Innovation 4X35 min.

1. IPR ownership in general
2. IPR ownership at DTU
3. Non-Disclosure Agreements
4. Material Transfer Agreements
5. Research collaboration Agreements
6. License Agreements

Afternoon:

IPR: Patents

01:00 - 03:00 pm

The structure of a patent

Erik Sigh, European patent attorney, M.Sc.E, Plougmann & Vingtoft, intellectual property consulting 3X 35 min.

1. Information in a patent
2. Requirements to a patentable invention
3. Patent claims: types and structure
4. Influence of patents – own and others
5. Patent information on the internet

Group work: identifying inventiveness, drafting a patent 03:00 – 05:00 pm

WEDNESDAY 19 January

Morning

10:00 to 12:00 am

IPR in industry:

Patent Group Director Morten Birkeland, European Patent Attorney, Charlotte Johansen Vedel, Vice President, Corporate Patents Europe, Danisco A/S, covering:

The role of patents in Danisco's business system.

- Principles of handling trusted employees' inventions.
- Procedures and Principles for Danisco's acquisition and sale of intellectual property rights.
- Policies and procedures for Danisco's collaboration with universities and research institutions - in a global perspective.

Afternoon

01:00 – 05:00 pm

Novelty search session

Anne K. S. Jensen, Senior Examiner, M.Sc.EE., Patent & Varemærkestyrelsen (Danish Patent and Trademark Office)

- Internet databases 2011
- On patent search 1: Search & Classification
- On patent search 2: Structured Search

Bring your notebook/laptop computer with wireless internet connectivity to this session. Group idea as well as inventions and ideas from your institute, your colleagues and your own inventory can be examined at this occasion.

THURSDAY 20 January

Morning

10:00 to 12:00 am

IPR in Industry

Johanna Jonsdottir, Corporate IP Counselor, Alfredo Zolin Conde, Patent manager, Corporate Legal Department, Haldor Topsøe A/S, covering:

- The role of patents in Haldor Topsøe's business system.
- Principles of handling trusted employees' inventions.
- Procedures and Principles for Haldor Topsøe's acquisition and sale of intellectual property rights.
- Policies and procedures for Haldor Topsøe's collaboration with universities and research institutions - in a global perspective.

Afternoon

Commercialization: the start-up track

01:00 – 05:00 pm

Start-up basics. John Heebøll, DTU Management

3X30 min.

1. High tech high-growth business formation in TT
2. Basics of starting a knowledge based company
3. Strategies in business start-up
4. Basics of business planning

Financing high growth ventures

15:00

NN, SEED Capital

1X 45 min.

Present and future risk-based financing

16:00

Søren Steen Rasmussen, partner, Vækstkapital, Vækstfonden

1X 45 min

Group work: commercialization strategies for your invention

04:00 – 05:00 pm

FRIDAY 21 January

Morning

10:00 to 12:00 am

IPR in Industry

Dr. Preben Rasmussen, Senior Manager for BioBusiness Patents, Novozymes A/S, covering:

- The role of patents in Novozyme's business system.
- Principles of handling trusted employees' inventions.
- Procedures and Principles for Novozyme's acquisition and sale of intellectual property rights.
- Policies and procedures for Novozyme's collaboration with universities and research institutions - in a global perspective.

Afternoon

Commercialization: license track 01:00 – 04:00 pm

Commercializing TT Jon Wulff & Christian Schmock, TTO A/S

4X30 min.

1. Identifying commercialization tracks
2. Licensing versus start-up
3. Identifying the stakeholders
4. Disclosing the invention
5. Identifying the field
6. Pricing of IPR
7. Closing the deal
8. Managing and maintaining the license agreement

Individual inventor support

1X 45 min.

Kasper Birkeholm Munk Teamleder, Opfinderrådgivningen, Teknologisk Institut, Idé & Vækst.

Group presentations

04:00 – 05:00 pm

Pitch-presentations from the groups covering

1. Invention: background and present situation
2. Demand and value creation
3. IPR protection strategy
4. Draft commercialization tracks

Rounding up the course – while students have a drink

05:00 – 05:20 pm

John Heebøll

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