

MT5005: IP Law for Engineers and Scientists

Workload: 3-0-0-2-5

Description:

The fields of science and engineering have a direct correlation to the creation and protection of intellectual property (IP). This course intends to offer the engineering and science students at graduate-level, but senior undergraduates can be considered, an introduction of Intellectual Property Law, emphasizing more on patent related subjects. It aims to equip the students with a practical IP knowledge which leads to a handy resource for them to use in the professional career.

This course consists of three main topics: (1) the Overview of IP Law, (2) Technological Aspect of Patent law and Practice, and (3) Business Aspect of IP Management.

Syllabus:

- Overview of IP Law: Patents, Copyrights, Trademarks, Trade Secrets, Mask Works for Semiconductors
- Business Aspect of IP: IP Management and Strategy
- How to Read a Patent
- Patentability: Novelty, Non-Obviousness and Industrial Applicability (including Biotechnology Inventions)
- The Patenting Process and Patent Application
- Computer-Related Inventions and Business Method Protection
- Ownership and Appropriation of IP rights, Employment Contracts and Non-Compete Restrictions
- Enforcement, Infringement and Damage of Patent Right

Text / References:

1. Howard B. Rockman, 2004. Intellectual Property Law for Engineers and Scientists, IEEE Press, Wiley. (Textbook)
2. H. Jackson Knight, 2002. Patent Strategy : For Researchers and Research Managers, Wiley.
3. Roger E. Schechter and John R. Thomas, 2004. Principles of Patent Law, West, Thomson.