

Intellectual Property in Natural Sciences

Lecturer: Dr. Tilman Breitenstein (patent attorney)

Dates: 17.2. – 21.2.2025, 10.30 – 14:00

Location: Lecture Hall 5G

The course is offered for students of master students and advanced bachelor students in **physics, medical physics and interdisciplinary natural sciences**. It can be credited as an elective module (3 ECTS).

Registration at lsf.hhu.de.

Description:

Intellectual Property (IP) such as patents, trademarks or trade secrets remain critical for the sustainable success of every innovative business. Own IP is an asset that helps keep competition at a distance, but likewise companies must also avoid competitors' IP. Scientists in both academia and industry need to understand key IP concepts to make full use of their ideas and avoid costly mistakes. Dr. Tilman Breitenstein has been responsible for high-value IP at various international companies. He today counsels Start-ups with his own company. In this seminar he will provide a practical and theoretical overview that many previous participants found useful both for their university studies and later career. The course is held in English. English special vocabulary is studied. The seminar concludes with an online final test on the last seminar date.

Content:

- Intellectual Property Basics (Patents, Trade Secrets, Designs and Trademarks, history of Intellectual Property)
- Purpose and use of Intellectual Property (benefit for society and state, benefit for IP proprietor, current tendencies and developments, IP strategy, extracting Value from IP e.g. through exclusivity or collaboration)
- Patent Law (creating IP and IP requirements, prosecuting, attacking, defending IP and enforcing IP against infringers)
- Inventor law

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