Modul: additional courses

Modul-Nr.: add. Courses

Lehrveranstaltung: Physics in the Private Sector

LV-Nr.: PhysPrivSec

Kategorie	LV-Art	Sprache	SWS	LP	Semester
Elective	Lecture with exercises	English	2+1	0	

Zulassungsvoraussetzungen:

Empfohlene Vorkenntnisse:
Mathematical, theoretical and experimental foundations in physics

Studien- und Prüfungsmodalitäten:
Requirements for the module examination (written examination): successful work with exercises

Dauer der Lehrveranstaltung:
1 semester

Lernziele der LV:
The vast majority of graduates with a physics degree or a doctorate in physics work in the private sector in very different areas, ranging from industrial research and software development to management consultancies, financial institutions and patent attorneys. In this lecture, the basics of these different fields are explained, deepened in the exercises and supplemented by guest lectures by physicists from the private sector.

Successful participants will receive a document about their attendance and the course contents.

Inhalte der LV:
- Management Consulting
- Financial Physics
- Professional Software Development
- Patent Law
- Physics in Insurances
- Simulations in Physics
- Entrepreneurship

Literaturhinweise:
- Grundprinzipien der Finanz- und Versicherungsmathematik: Grundlagen und Anwendungen der Bewertung von Zahlungsströmen, Peter Albrecht
- Patentrecht für Studierende der Naturwissenschaften: Eine kompakte Einführung in die Grundlagen, Gernot Krobath
- A Friendly Guide to Software Development: What You Should Know Without Being a Developer (Friendly Guides to Technology) (English Edition), Leticia Portella
- Cracked it!: How to solve big problems and sell solutions like top strategy consultants, Bernard Garrette , Corey Phelps