Software Development Project

Summer

(engl. Software Development Project)

Modulnummer: FIN-INF-110478

Kürzel	CP	Semester	Fachsem.	Dauer	Sprache	Niveau
SDP	10	Summer	starting at 4.	1 Semester	deutsch	Bachelor

Link zum LSF:	LSF
Zugang beschränkt:	
Verantwortung:	Prof. Dr. Frank Ortmeier
Dozent:in:	Prof. Dr. Frank Ortmeier
Lehrveranstaltungen:	• Vorlesung *Software Development Project* • Übung *Software Development Project*
Verwendbarkeit:	- B.Sc. INF: Schlüssel- und Methodenkompetenzen - B.Sc. INF: Kernmodule (SPO 2027) - B.Sc. CV: Schlüssel- und Methodenkompetenzen - B.Sc. CV: Kernmodule (SPO 2027) - B.Sc. INGINF: Schlüssel- und Methodenkompetenzen - B.Sc. INGINF: Kernmodule (SPO 2027) - B.Sc. WIF: Schlüssel- und Methodenkompetenzen - B.Sc. WIF: Kernmodule (SPO 2027) - B.Sc. INF (bilingual): Schlüssel- und Methodenkompetenzen - B.Sc. INF (bilingual): Informatik Wahlpflicht (SPO 2027)

Angestrebte Lernergebnisse:
The students ...

- know modern software development processes and can apply them

- know modern frameworks for software development, especially from the web context, and can use them and assess them according to use cases
- have practical experience in the software development of larger software projects and can apply this knowledge in the future
- Students can select, assess and effectively apply various software development methods in an industrial and academic context

Inhalt:

- Software development environment
- Software (architecture) documentation
- Versioning and Continuous Integration
- Automated testing
- Issue tracking and handling of programming errors
- Code analysis and software development processes including the use of ML-based support systems

Arbeitsaufwand:
300h = 50h attendance + 190h Project work + 60h independent exam preparation

Prüfungsvorleistungen:	**Studien-/Prüfungsleistungen:**	**Lehrform / SWS:**
Number of short presentations in the exercises	Oral examinations, split into individual milestones as partial exam. All partial exams must be passed.	• Lecture (2 SWS) • Exercise (2 SWS)

Voraussetzungen nach Prüfungsordnung:	**Empfohlene Voraussetzungen:**
none	• Einführung in die Informatik • Software Engineering

Medienformen:	**Literatur:**

Hinweise:

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