

Teilmodul		TM-Kurzbezeichnung
DAPS: Agile Project Management with Scrum		DAPS
Verantwortliche/r	Fakultät	
Prof. Dr. Markus Heckner	Informatik und Mathematik	
Lehrende/r / Dozierende/r	Angebotsfrequenz	
Prof. Dr. Markus Heckner		
Lehrform		
Seminaristischer Unterricht mit Übungen		

Studiensemester gemäß Studienplan	Lehrumfang [SWS oder UE]	Lehrsprache	Arbeitsaufwand [ECTS-Credits]
6. / 7.	4 SWS	englisch	5

Zeitaufwand:

Präsenzstudium	Eigenstudium
60h	90h

Studien- und Prüfungsleistung
Kl. u./o. StA u./o. mdl. LN

Inhalte
<p>The pace of change in the business world is getting faster and more intense. Organizations are looking for a flexible approach to delivering (IT-)projects. Agile project management methodologies, which involve new values, principles, practices, and benefits, are spreading across a broad range of industries and functions – and are all based on the Agile Manifesto. Among agile project management methodologies, Scrum is the most popular one. In this course, students will get to know the Scrum framework, including methods, approaches and best practices. To enhance learning experience, students will conduct a small, but real project in several Sprints.</p> <p>Moreover, students will get the opportunity to either prepare for the Professional Scrum Master, Professional Product Owner or (potentially) Professional Scrum Developer certification exam (in accordance with Scrum.org – acknowledging that this is no official Scrum.org training).</p> <ul style="list-style-type: none"> • Project management: Traditional, agile, and hybrid • Agility: Agile manifesto (values and principles), agile mindset, and culture of failure • Scrum: Framework with roles, ceremonies, and artifacts • Course project • Scrum tools • Preparation for one of the three Scrum certification exams (see above) <p>The course is an interdisciplinary course, that means you will work together with students of the “BW” department in your course project.</p> <p>Please note that the certification fees for the “Professional Scrum Master” (PSM I) are covered by OTH Regensburg. Students aiming at “Scrum Developer” or “Scrum Product Owner” certifications need to pay for these on their own.</p>

Lernziele: Fachkompetenz

Nach der erfolgreichen Absolvierung des Teilmoduls sind die Studierenden in der Lage,
After successful completion of the module, students are able to

- understand the current role of agile project management and recognize the importance of agile approaches i.p. Scrum in today's fast changing environment (3).
- to apply the agile framework Scrum to practical application situations by working in project teams on specific challenges (3).
- understand the value of considering both the IT and the business perspective (2).
- apply typical agile development practices such as Test Driven development (TDD) and Continuous Integration (CI) in a small scale project (3).

Lernziele: Persönliche Kompetenz

Nach der erfolgreichen Absolvierung des Teilmoduls sind die Studierenden in der Lage,
After successful completion of the module, students are able to

- recognize the importance of being able to work with people from other disciplines (2).
- recognize particular challenges in agile project environments (2).
- to contribute to Scrum discussions with profound arguments (2).
- work in interdisciplinary (virtual) project teams (3).
- inspect their team collaboration and to create a plan for improvements (2).
- apply English project management vocabulary (3).
- form a balanced judgement of the benefits and challenges of implementing Scrum and to defend personal views (2).
- develop their own agile mindset (1).

Literatur

Die Zahlen in Klammern geben die zu erreichenden Niveaustufen an: 1 - kennen, 2 - können, 3 - verstehen und anwenden