



Programme and Course Description Praktisches Studiensemester (Internship)

Engineering and Management

Faculty of Engineering and Management

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1 Praktisches Studiensemester (Internship) - Content

Die folgenden Abschnitte beschreiben den Inhalt, die Form und die Organisation des praktischen Studiensemesters.

Das praktische Studiensemester wird im Studienplan als das **5. Semester** geführt. Es besteht aus drei Pflichtmodulen:

(Excerpt from the attachment to the SPO)

Lfd. Nummer	Module	SWS	Leistungsnachweis	Gewichtung für die Prüfungsgesamtnote	Leistungspunkte
gemäß SPO	Internship		PrB ⁸⁾		24 ECTS
gemäß SPO	Seminar ³⁾	2	LN ¹⁾ 4)		2 ECTS
gemäß SPO	Project- und Qualitätsmanagement ³⁾	4	LN ⁴⁾	2	4 ECTS
	Summe	6			30 ECTS

1) Bewertung durch das Prädikat „mit Erfolg“ oder „ohne Erfolg“ abgelegt.

3) Diese Lehrveranstaltungen werden als Blockveranstaltung durchgeführt.

4) Bei den Leistungsnachweisen handelt es sich alternativ bei:

LN Praxisseminar:

um 1 Leistungsnachweis für die aktive Teilnahme am 3-tägigen Seminar Bewertung „mit Erfolg“ (m. E.) / „ohne Erfolg“ (o. E.).

LN Projekt- und Qualitätsmanagement:

um eine Prüfung außerhalb des Prüfungszeitraums (Schriftliche Prüfung 90 min.), Prüfungsvoraussetzung: Erfolgreiche Teilnahme mit Anwesenheitspflicht am Unterricht.

8) Der Praxisbericht umfasst mindestens 8 Seiten ohne Tabellen und Graphiken in Standardschriftgröße.

For questions, suggestions or problems concerning the practical semester, please contact the Internship Officer of the Faculty WI is available.

In the following, each individual module is described.

2 Modulhandbuch mit Fächerbeschreibungen (Modulehandbook with subject descriptions)

2.1 Praktikum (Internship)

Internship			
Modulkürzel:	EGM_INTSHIP_E	SPO-Nummer: WS 15/16	30
Zuordnung zum Curriculum:	Studiengang u. -richtung BA Engineering and Management	Art des Moduls Compulsory Subject	Studiensemester 5
Sprache:	Deutsch/English		
Lehrveranstaltungen des Moduls:	Internship (EGM_INTSHIP_E)		
Lehrformen/SWS:	Lehrformen EGM_INTSHIP_E: Pr - laboratory	Gruppengrößen 40-60	SWS 0
Arbeitsaufwand:	Präsenzzeit (Vorlesung und Übung): 0 h Prüfungsvorbereitungszeit: 0 h Selbststudium: 600 h Gesamt: 600 h		
Leistungspunkte:	24 ECTS		
Voraussetzungen nach Prüfungsordnung:	None		
Empfohlene Voraussetzungen:	None		
Angestrebte Lernergebnisse:	<ul style="list-style-type: none"> Introduction to engineering related tasks by means of a specific scope of work Getting acquainted to technical and managerial processes in a company 		
Inhalt:	<ul style="list-style-type: none"> Participation in company projects or activities which are either related to the respective study program or which complement the contents of the study program Application and enhancement of knowledge, methods and procedures, which have been learned as part of the study program 		
Studien- / Prüfungsleistungen:	internship report		

Medienformen:
Company specific
Anmerkungen:
<ul style="list-style-type: none"> The internship can only be conducted in companies which are approved The qualification of the supervisor should be on the same level as the degree of the respective study program Universities and associated organisations are not permitted to host internships The practical studies semester must be completed in a non - German speaking foreign country. Alternatively, the practical studies semester may be completed in German-speaking countries if a connection to international business is guaranteed (e.g. through work in the areas of international product management, global product development, international marketing, international production and logistics)

2.2 Praxisseminar (Seminar)

Seminar			
Modulkürzel:	EGM_SEM_E	SPO- Nummer: WS 15/16	31
Zuordnung zum Curriculum:	Studiengang u. - richtung BA Engineering and Management	Art des Moduls Pflichtfach	Studiensemester 7
Sprache:	Deutsch/Englisch Seminar (EGM_SEM_E)		
Lehrveranstaltungen des Moduls:			
Lehrformen/SWS:	Lehrformen EGM_SEM_E: S - Seminar	Gruppengrößen 40-60	SWS 2
Arbeitsaufwand:	Präsenzzeit (Vorlesung und Übung): 30 h Prüfungsvorbereitungszeit: 0 h Selbststudium: 30 h Gesamt: 60 h		
Leistungspunkte:	2 ECTS		
Voraussetzungen nach Prüfungsordnung:	Keine		
Empfohlene Voraussetzungen:	Participation in the information event for the practical semester and practical seminar		
Angestrebte Lernergebnisse:			
<p>The practical seminar imparts competences that are oriented towards the professional field. The students</p> <ul style="list-style-type: none"> deepen their technical knowledge and can apply it, strengthen their social and methodological skills (e.g. by moderating, presenting) are able to grasp and understand complex relationships, can implement tasks in a team and solve problems in teamwork, have experience with playful simulation of real processes, can use alternative teaching and learning platforms. <p>The weighting of the listed learning outcomes depends on the chosen topic of the seminar.</p>			
Inhalt:			

3-day block event on vocational field-oriented competences, e.g. excursions, workshops, seminars and further training courses on topics such as moderation, presentation, conflict management, rhetoric scientific work, ethics, etc.

Studien- / Prüfungsleistungen:

Leistungsnachweis für die aktive Teilnahme; Bewertung „mit Erfolg“ (m. E.) / „ohne Erfolg“ (o. E.)

Medienformen:

Will be announced by the respective lecturers

Anmerkungen:

- The range of seminars offered is updated every semester and announced together with details of the references and concrete topics, contents, media forms and literature.
- Organisational aspects are explained in the information event on the practical semester and practical seminar.
- This event usually takes place at the end of each semester, participation is strongly recommended.

2.3 Project- und Qualitymanagement

Project- and Quality-Management			
Module abbreviation:	PQM_EGM	Reg.no.:	32
Curriculum:	Programme	Module type	Semester
	Engineering and Management	Compulsory Subject	7
Language of instruction:	English		
Credit points / SWS:	4 ECTS / 4 SWS		
Workload:	Contact hours:	100 h	
	Self-study:	0 h	
	Exam preparation time	0 h	
	Total:	100 h	
Subjects of the module:	Project- and Quality-Management (PQM_EGM)		
Lecture types:	PQM_EGM: SU/Ü - lecture with integrated exercises		
Prerequisites according examination regulation:			
Only students who have achieved a grade of "sufficient " or higher in all the examinations and essential assessments done during the course in the first part of the course and have earned at least 20 ECTS credit points from the compulsory modules in the second part of the course are entitled to enter the practical studies semester.			
Recommended prerequisites:			
None			
Objectives:			
The students will be able to plan and run industrial and engineering projects and get a fundamental know-how about quality management as well as ISO 9001 principles.			
Content:			
<ul style="list-style-type: none"> • Project kick-off procedures • Relevant project organisation, RFQ, Func Spec. • Setting right project goals, SMART • Planning of actions, WBS, GANTT, MPM, CPM, CP • Starting project work and controlling, BEA, EV, MS-Trends • Organizing acceptance tests • Project review and lessons learned • Basics of quality management • ISO 9001 and other standards • TQM, EQA, LEP • Main tools, FMEA, QFD, SPC, BCG • Lean six sigma 			

Examinations:

LN - written exam, 90 minutes

Exam condition

Successful participation with presence duty in the lessons.