

Module: Quality Management

Level	Master	Short Name	QM
Responsible Lecturers	Wang, Wen-Huan, Prof. Dr.-Ing.		
Department, Facility	Applied Natural Sciences		
Course of Studies	Regulatory Affairs, Master		
Compulsory/elective	Compulsory	ECTS Credit Points	5
Semester of Studies	1	Semester Hours per Week	4
Length (semesters)	1	Workload (hours)	150
Frequency	WiSe	Presence Hours	
Teaching Language	English	Self-Study Hours	150

The following section is filled only if there is **exactly one** module-concluding exam.

Exam Type	Portfolio Exam	Exam Language	English
Exam Length (minutes)		Exam Grading System	One-third Grades
Learning Outcomes	1. Students can explain the benefits of quality management for companies. 2. They can apply quality management terminology. 3. When faced with quality-related tasks, they can assess the suitability of specific quality techniques for solving the problem at hand. 4. They can explain the requirements for quality management systems. 5. They can independently analyze quality-related tasks using quality techniques.		
Participation Prerequisites			

The previous section is filled only if there is **exactly one** module-concluding exam.

Consideration of Gender and Diversity Issues	✓ Use of gender-neutral language (THL standard) ✓ Target group specific adjustment of didactic methods ✓ Making subject diversity visible (female researchers, cultures etc.)		
Applicability	The following modules listed below build upon the QM1 module: • MRA Module: Quality Management II – Statistics and Quality Assurance • MRA Module: CE Marking and Certification • MRA Module: International Markets and Regulatory Approval • MRA Module: Auditing – Fundamentals and Practice		
Remarks			

Module Course: Quality Management

(of Module: Quality Management)

Course Type	Online Course	Form of Learning	Online supported
Mandatory Attendance	no	ECTS Credit Points	5
Participation Limit		Semester Hours per Week	4
Group Size		Workload (hours)	150
Teaching Language	English	Presence Hours	0
Study Achievements ("Studienleistung", SL)		Self-Study Hours	150
SL Length (minutes)		SL Grading System	

The following section is filled only if there is a course-specific exam.

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	1 Managing Quality 2 Requirements and Customer Satisfaction 3 Process Management 4 Problem Solving and Quality Techniques 5 Seven Basic Quality Tools 6 Seven Management Tools 7 Quality Management Systems and Standards
Literature	Online Course Script DIN EN ISO 9000 – Quality management systems – Fundamentals and vocabulary. Berlin: Beuth DIN EN ISO 9001 – Quality management systems – Requirements. Berlin: Beuth DIN EN ISO 13485 – Medical devices – Quality management systems – Requirements for regulatory purposes With regard to standards, the current version always applies.
Remarks	