



Professional online training course
PROJECT MANAGEMENT
IN RESEARCH

This online training course is designed for early career scientists who have taken up research work after completing their first academic grade and are on their way to filling a project manager role. The course includes planning and controlling project tasks regarding scheduling, resources, and costs as well as dealing with stakeholders and risks. Adapted to the special requirements of research and development projects, the course teaches the basics and specific concepts, methods, and management techniques. No prior knowledge of project management is required. The seminar is also suitable as a refresher for more senior people with practical experience in project management.

Week 1	Week 2
<i>Unit 1: introduction to project mgmt.</i>	<i>Unit 4: project planning</i>
<ul style="list-style-type: none"> - Introduction of instructors, participants, and the e-learning platform - Learning objectives and course structure - Basic concepts 	<ul style="list-style-type: none"> - Milestones and schedule - Slack time and the critical path - Workload and staff capacity - Resources and cost calculation
<i>Unit 2: project initiation</i>	<i>Unit 5: executing and controlling</i>
<ul style="list-style-type: none"> - From idea to project plan - Assumptions and estimating - Structuring your project - Defining work packages 	<ul style="list-style-type: none"> - Target-performance comparison - Controlling with the baseline method - Further controlling methods and tools - Change management
<i>Unit 3: first time a project manager</i>	<i>Unit 6: handling risk and crises</i>
<ul style="list-style-type: none"> - The role of the project manager - Stakeholder management - Team building and development - Communication in projects 	<ul style="list-style-type: none"> - Risk detection and assessment - Taking measures - Problem-solving process - Constructive escalation

The course content is divided into six units that build on each other, including theoretical and practical components. The unit sequence is designed as a guide to planning and controlling a research project. The practical exercises are based on a consistent project scenario. Regarding the project methodology, the course is aligned with the international standard ISO 21500 'Guide to Project Management' and the ANSI/IEEE standard 'Project Management Body of Knowledge' (PMBok). The participants also benefit from the instructors' many years of practical experience.

The course was developed in collaboration with leading research institutes and continuously improved based on participant feedback. Participants in previous courses came from universities, science academies, Fraunhofer, Helmholtz, Leibniz, and other research institutes. References on request.

Upcoming course period: November 4-15, 2024

Course format: blended learning scenario with online meetings (Zoom), self-directed e-learning units (Moodle) and practical project work

Online meeting schedule during the course period:

Mon 04/11, Thu 07/11, Tue 12/11, Fri 15/11, each session from 3h30 until 5h30 p.m., in between video-based self-study and project work

Workload total: approx. 18 hours

Maximum number of participants: 16 persons

Instructors: Prof. Dr.-Ing. Oliver Jokisch and Prof. Dr. Gunnar Auth

The **participation fee** is €975 (plus 19% VAT) per person and includes digital course materials and a certificate of participation. To **register**, or if you have any questions, please send an email to: weiterbildung@ibwm-leipzig.de

A professional training by:



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