



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 now taking on extended responsibility in research projects for the first time. The course includes planning and controlling project tasks in terms of lead times, 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 as well as specific concepts, methods, and techniques of project management. No prior knowledge of project management is required. The seminar is also suitable as a refresher for people who have already been working in project management for some time.

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 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 - Creating work packages 	<ul style="list-style-type: none"> - Target-performance comparison - Controlling with baseline method - Further controlling methods and tools - Change management
<i>Unit 3: First time a project leader</i>	<i>Unit 6: Handling risk and crises</i>
<ul style="list-style-type: none"> - The role of the project leader - 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

In terms of content, the course is divided into six units that build on each other, each of which includes theoretical and practical components. The sequence of units is designed as a guide to planning and controlling a research project. The practical exercises are based on a consistent project scenario. In terms of project methodology, the content is based on 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 renowned research institutes and continuously improved based on participant feedback. Participants of previous courses came from universities, science academies, Fraunhofer, Helmholtz, Leibniz, and other research institutes. References on request.

Upcoming course period: June 17-28, 2024

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

Online meeting schedule during course period:

Mon 17/6, Thu 20/6, Tue 25/6, Fri 28/6, each session from 3h30 until 5h30 p.m., in between video-based self-study and exercises

Workload total: approx. 18 hours

Maximum number of participants: 16 persons

Instructors: Prof. Dr.-Ing. Oliver Jokisch, 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:



IBWM Institut für Bildungs- und
Wissenschaftsmanagement Leipzig GmbH
Sonnenwinkel 76
04299 Leipzig | Germany
www.ibwm-leipzig.de
info@ibwm-leipzig.de

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