

Management of Engineering Projects

“What makes this course unique? The combination of experienced project practitioners, participants from 20 different companies and a coursebook written specifically for this course.”

Autumn 2024

Industry driven - Many students graduating in engineering find a position as design or project engineer in the process and infrastructure industry, within asset owners, engineering companies, technology suppliers or construction companies of those industries. Therefore the purpose of the lectures in the course "Management of Engineering Projects" is to cover all relevant aspects of project management and to prepare staff and students to meet the challenges of the process and infrastructure industry. This will be an intensive course spread over 5 full Fridays.

Lectures - The course is given by Prof. Dr. Hans L.M. Bakker. He is emeritus professor of the chair „Management of Engineering Projects“ within the Faculty Civil Engineering and Geosciences. Hans worked for Shell as a project manager for almost 30 years and was, amongst others, responsible for the education and development of future project engineering staff. Besides the professor, there will be a large number of industrial guest speakers, some of them co-authors of the book, addressing several of the subjects from a practical perspective. The professor and the assistant are supporting the project work.



Contents - The course is closely following the book “Management of Engineering Projects – People are Key” which is mandatory reading for the participants and the five sections of the book are dealt with on consecutive Fridays:

- Introduction, history of management of projects, project life cycle, a phased approach
- Preparation, project portfolio management and project selection, the project manager, building and leading the team
- Setting the scene, value and project assurance, opportunity framing, front end development, project risk management
- Time and money, contracting, project monitoring and control, economic project evaluation
- People at work, construction, operational readiness, commissioning and start-up, safety
- Outlook, trends and challenges in the future of management of projects

Project Case - Parallel with the lectures, an engineering project (the case) will be conducted by the course participants. This assignment requires an effort of approximately 40 hours on top of the 40 hours for the lectures (for TUDelft students: 2ECTS excluding exam, 3 ECTS including exam).



Lecture information

- Lectures will be given in English
- Lectures will be given on Fridays, from 8:45 till 17:00 hrs
- Lecture dates 2024: September 6, 13, 20, 27 and October 4
- Location: Delft University of Technology

Enrollment - The course is intended for young staff (< 7 years work experience) from the process and infrastructure industry and a limited number of master students. Send an e-mail with your name, company name or student number and faculty, home or business address and your telephone number to info@napnetwork.nl