



## Formal Details

Lecturer

Svenja Stutzmann, M. Sc.

Teaching Format

Seminar and workshop (group work)

Prerequisites

Completion of all modules from semester 1-2

Type of examination

Presentations in person

## Contents

We will talk about concept development and decision-making methods for prototypes projects.

You will apply one concept into practices using helpful methods and structured approaches.

### You will learn to:

- successfully complete a technical project
- make well-founded technical decisions
- work efficiently in an interdisciplinary team
- document and present your project results in a comprehensible and professional way

## Recommended Literature & Further Info

German:

M. Boeglin, Wissenschaftlich arbeiten Schritt für Schritt: Gelassen und effektiv studieren. 2. Aufl., Paderborn, Deutschland: UTB, 2012, ISBN 978-3-8252-3701-1.

English:

W. Pahl, K. Beitz, J. Feldhusen, K. Grote, Engineering Design: A Systematic Approach, 3rd ed. London, UK: Springer, 2007, <https://doi.org/10.1007/978-1-84628-319-2>.

D.G. Ullman, The Mechanical Design Process, 4th ed., New York, NY: McGraw-Hill, 2010, ISBN 978-0-07-297574-1.

K. Mc Millan, J. Weyers, How To Write for University: Academic Writing For Success, 1st ed., Harlow, UK: Pearson, 2013, ISBN 978-1-292-006475-5.