

Title: **Manufacturing Drawing and Tolerances**

Lecturer: Prof. Dr.-Ing. Georg Weidner

Teaching language: English

Course objectives: On completion of this course, the students should have extended knowledge of technical drawing of single-parts. They should be able to create operational-, production- and inspection-orientated component drawings with reasonable tolerances.

Teaching method: Lecture and Exercises

Type of course 2 h Lecture + 2 h Exercises

Grading: Written Examination (120 min)

Contact hours/credits: 4 per week, 5 credits

Comments:

Course contents: General Tolerances, Dimensional Tolerances, Shape Tolerances, Orientation-, Location- and Positional Tolerances. Tolerance Principles.  
Roughness of Surfaces.  
Orientation of Dimensioning (operation, production, inspection).  
Exercises with concrete work pieces.  
Excursion to a Manufacturing Plant

Reading: N.N.