FH MÜNSTER
University of Applied Sciences

MSA FB Architektur
Münster School of Architecture

Bachelor

Winter 23/24

p.r.n. photo credits

ba.m1.1 Presentation I

course

Prof. Dr. Michael Joachim

lecturer

Darstellende Geometrie (Descriptive Geometry)

title

The main objective of this course is to learn about the practical and theoretical foundations on perspective views of 3D objects. While construction plans nowadays are typically obtained using CAD programs, we will learn about the geometric foundations which go into the CAD programs. These foundations are also relevant concepts for creating hand drawn drafts. In particular the students will learn in this course about standard projection methods and the basics of the theory of geometric transformations. Thereby we will concentrate in equal parts on the two major aspects of the theory of geometric tranformations which are relevant for architecture: parallel perspective and central perspective.

topic

Cornelie Leopold, Geometrische Grundlagen der Architekturdarstellung, Springer Fachmedien, Wiesbaden, 2019

recommended reading