



*Course syllabus*

# Avancerad skissteknik Advanced Sketching

**IDEA56, 3 credits, G1 (First Cycle)**

**Valid for:** 2023/24

**Faculty:** Faculty of Engineering, LTH

**Decided by:** PLED ID

**Date of Decision:** 2023-03-16

## General Information

**Main field:** Industrial Design.

**Compulsory for:** KID1

**Language of instruction:** The course will be given in Swedish

## Aim

To be introduced to basic theory on perception of 3D space in 2D representation(perspective drawing).

To be introduced to 2D freehand sketching techniques and materials used in the design profession for the development and illustration of concepts.

Practice different sketching/ rendering techniques.

## Learning outcomes

*Knowledge and understanding*

For a passing grade the student must

- Be able to accurately construct basic geometrics forms in perspective.
- Understand how to construct cast shadows.
- Understand how to use foreshortening techniques and be able to draw a symmetrical form in perspective.
- Understand how to render matt planar surfaces, cylinders , cones, and spheres.
- Understand how to render different materials and textures effectively.

### *Competences and skills*

For a passing grade the student must

- Demonstrate ability to apply perspective freehand drawing techniques using relevant tools and material.
- To some extent demonstrate an ability to sketch in a dynamic way.

### *Judgement and approach*

For a passing grade the student must

- Demonstrate a sensitivity for artistic and aesthetical values during formal teaching, discussions and the like, including assessments of the qualities of images.

## Contents

The course consists of a series of lectures and workshops with exercises, demonstrations and group critics to evaluate progress. The course builds on what have been examined previously in the course “Tools of a designer” such as: 1-2-3 point perspective, circles in perspective/ellipses, foreshortening, freehand drawing techniques, establishing a perspective view, communicating shape through rendering etc.

Following topics will be covered:

- Tools and Materials
- Section drawing
- Drawing symmetrical forms
- Material indication, how to render different materials and textures
- Composition

## Examination details

**Grading scale:** TH - (U,3,4,5) - (Fail, Three, Four, Five)

**Assessment:** 80 % attendance required. The assessment is based on the documentation of the individual assignments.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

## Admission

**The number of participants is limited to:** No

**The course overlaps following course/s:** IDEA55

## Reading list

- Ernest R Norling: Perspective Made Easy. [www.bnpublishing.com](http://www.bnpublishing.com). USA. 200711, 2007, ISBN: 9789563100167. Reference books.

- John Montague: Basic Perspective Drawing. John Wiley And Sons Ltd. Sverige., 2004, ISBN: 9780471472742. Reference books.
- Ray Smith: Perspektiv: grunderna. Richters, ISBN: 91-7707-097-5. Reference books.
- Koos Eissen: Sketching. Stiebner Verlag GmbH. Tyskland. , 2008, ISBN: 9783830713630. Reference books.
- Scott Robertson: Techniques of Scott Robertson, No. 1 - Basic Perspective Form Drawing,. The Gnomon Workshop, 2006. DVD, Reference books.
- Scott Robertson: How to Render Matte Surfaces: v. 1, Shading Planar Surfaces. The Gnomon Workshop, 2006. DVD, Reference books.
- Scott Robertson: How to Render Matte Surfaces: v. 2 , Shading Round Geometric Surfaces. The Gnomon Workshop, 2006. Reference books.
- Erik och Klara Sjöln: Design Sketching. ISBN: 978-91-976807-0-7. Reference books.
- Scott Robertson : How to Draw, Drawing and Sketching Objects and Environments from Your Imagination. 2013, ISBN: 9781933492759. Reference books.
- Scott Robertson : How To Render, Communicating Form and Rendering a Wide Range of Materials. ISBN: 9781933492834. Reference books.
- Klara Sjöln, Allan Macdonald : Learning Curves , Aims at showing you the tips, tricks and methods that will teach you how to really learn to sketch. 2011, ISBN: 978-91-633-8952-8. Reference books.

## Contact and other information

**Course coordinator:** Charlotte Sjödel, [Charlotte.Sjodell@design.lth.se](mailto:Charlotte.Sjodell@design.lth.se)

**Course homepage:** <http://www.ide.lth.se>

**Further information:** The course consists of lectures, individual and group assignments.