

The following learning targets represent the major concepts studied and assessed in this course. Updated 2022 - 2023

Semester 1

Unit 1: History and Lettering:

- History of Mechanical Engineering
- Conducting Research and Compare Data
- Engineering Lettering

Unit 2: Lettering, Scaling and Sketching:

- Hand Lettering
- Hand Sketching
- Scaling Drawings

Unit 3: Use and Care of Drafting Equipment:

- Drawing with Drafting Tools
- Geometric Constructions

Unit 4: Multiview Drawings:

- Multiview Drawings
- Autodesk Inventor Introduction

Semester 2

Unit 5: Multiview Drawings Continued:

- Printing with Multiview Drawings

Unit 6: Dimensioning:

- Basic Dimensioning
- Inventor Title Blocks

Unit 7: Auxiliary and Section Views:

- Creating Auxiliary Views
- Creating Section Views
- Printing Auxiliary and Section Views in Inventor

Unit Final: Working Drawings:

- Explosion Views
- Complete Working Drawings