



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** AutoCAD Inventor with 3D Printing and Scanning  
**Course Number:** DET230

### Required Materials

**Textbook(s):** AUTODESK INVENTOR 2025 ESSENTIALS PLUS  
 SHAWNA LOCKHART, DANIEL T. BANACH & SHEILA MARKAZI  
 ISBN: 978-1-63057-671-4

**Required Readings:** None

**Additional Materials:** A flash drive (16 Gigabyte), a notebook for notes and the 2025 student version of Inventor.  
 To download the free version, go to:  
<https://www.autodesk.com/education/free-software/inventor-professional>

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Chapter 1 – Getting Started, Labs and Skills Assignments
2	Chapter 2 – Sketching, Constraining, and Dimensioning, Labs and Skills Assignments
3	Chapter 3 – Creating and Editing Sketched Features, Labs and Skills Assignments
4	Chapter 4 – Creating Placed Features, Labs and Skills Assignments
5	Labs and Skills Assignments
6	Chapter 7 – Advanced Modeling Techniques, Labs and Skills Assignments
7	Chapter 8 – Introduction to Sheet Metal Design, Labs and Skills Assignments
8	Chapter 6 -Creating and Documenting Assemblies, Labs and Skills Assignments
9	Chapter 5 – Creating and Editing Drawing Views, Labs and Skills Assignments
10	Chapter 5 – Creating and Editing Drawing Views, Labs and Skills Assignments
11	Chapter 5 – Creating and Editing Drawing Views, Labs and Skills Assignments
12-15	Work on Final Projects
16	Final Presentation