

Los Angeles Valley College
Course Level Student Learning Outcomes (SLO)

Course Name and Number: Engineering, General Technology 211: Elementary Engineering Graphics

Course Objectives: (List the course objectives as they appear in the course outline of record.)

Teaches student CAD software using industry standard software.

Be able to draw standard orthographic views as well as isometric drawings on a computer and produce a shop print.

Use 3D techniques to speed up the drawing procedures and plot/print the same.

Establish 1–2 course level student learning outcomes and indicate how each SLO will be assessed.

Course Level Student Learning Outcome	Assessment Measure
<p>Student will be able to produce CAD drawings reflecting the principles of orthographic projection and isometric rendering.</p>	<p>Using standard evaluation procedures, the student will complete drawing sets incorporating the following elements:</p> <ul style="list-style-type: none"> • Lines, circles, arcs • Extended offsets, fillets, and rounds • Chamfering, offsetting lines, and objects • Dimensioning • Notes • Cornering functions • Isometric projections • Isometric renderings. <p>A rubric will be developed that includes the bulleted elements above.</p>