

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

Course Name and Number: Directed Study; EL-385

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

Involves special electronic circuit or system projects under instructor supervision.

Do preliminary design of a variety of electronic circuits.

Repair and calibrate electronic subsystems.

Perform experimental and developmental studies in an electronics lab.

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

Course Level Student Learning Outcome	Assessment Measure
Design, devise, and develop advanced electronic circuits or systems.	<p>Using standard test procedures, the student will demonstrate the ability to design and construct advanced electronic circuits, systems, and software interfaces, such as those involving:</p> <ul style="list-style-type: none">• Amplifiers• Oscillators• Power supplies• Digital counters• Digital encoders• Digital decoders• Digital multiplexers• Digital demultiplexers• Analog comparators• Transmitting circuits• Receiving circuits <p>A rubric will be developed that includes the bulleted elements above.</p>

