

Las Positas College
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Course Outline for ENGR x55

PROCESS CONTROL SYSTEMS

I. CATALOG DESCRIPTION:

ENGR x55 — PROCESS CONTROL SYSTEMS — 3.00 units

Programmable logic control systems; function, interrelationship, and troubleshooting of systems components. PLC input/output systems and requirements. Ladder logic programming using basic I/O instructions, logic instructions, timers, counters, and comparison functions.

2.00 Units Lecture 1.00 Units Lab

Grading Methods:

Discipline:

	MIN
Lecture Hours:	36.00
Expected Outside of Class Hours:	72.00
Lab Hours:	54.00
Total Hours:	162.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT:

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

V. CONTENT:

VI. METHODS OF INSTRUCTION:

VII. TYPICAL ASSIGNMENTS:

VIII. EVALUATION:

Methods/Frequency

IX. TYPICAL TEXTS:

X. OTHER MATERIALS REQUIRED OF STUDENTS: