

Las Positas College  
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## Course Outline for ELEC 70

### INTRODUCTION TO ELECTRONICS

Effective: Fall 2016

#### I. CATALOG DESCRIPTION:

ELEC 70 — INTRODUCTION TO ELECTRONICS — 2.00 units

A survey course in electronic technology. Ohm's Law and fundamental DC and AC circuit analysis; magnetism and capacitance; semiconductor technology with applications; digital building blocks with application to computer technology; survey of the electronic technology fields; use of basic electronic test equipment. Intended for non-majors.

1.00 Units Lecture 1.00 Units Lab

#### Grading Methods:

Letter or P/NP

#### Discipline:

	<u>MIN</u>
<b>Lecture Hours:</b>	18.00
<b>Lab Hours:</b>	54.00
<b>Total Hours:</b>	72.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

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

1. missing from outline

V. CONTENT:

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VI. METHODS OF INSTRUCTION:

B. Lab -

C. Lecture -

VII. TYPICAL ASSIGNMENTS:

VIII. EVALUATION:

A. **Methods**

B. **Frequency**

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IX. TYPICAL TEXTS:

X. OTHER MATERIALS REQUIRED OF STUDENTS: