

# COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

MAJORS (../MAJOR.HTML)

LIST OF COURSES (COURSES.HTML)

RESOURCES (../RESOURCES/RESOURCE.HTML)

STUDENT LIFE (../STUDENTLIFE/ORGS.HTML)

## **EE 134 - FUNDAMENTALS OF PHOTOVOLTAIC DEVICES (4 UNITS)**

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

### **COURSE OVERVIEW**

#### **SUMMARY**

This course is designed to give an introduction to, and overview of, the fundamentals of photovoltaic devices. Students will learn how solar cells work, understand the concepts and models of solar cell device physics, and formulate and solve relevant physical problems related to photovoltaic devices. Monocrystalline, thin film and third generation solar cells will be discussed and analyzed. Light management and economic considerations in a solar cell system will also be covered.

#### **PREREQUISITES**

EE 16A ([ee16a.html](#)) and EE 16B ([ee16b.html](#))

Fall only

### **WORKLOAD**

#### **TIME COMMITMENT**

3 hours of lecture and 1 hour of discussion per week.

Made by Angela Lee, c/o 2019



(<https://www.fsa.fsu.edu/ugrad/career/>) ([https://openstax.org/r/peer-](https://openstax.org/r/peer-advising)  
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