

EELE591Z Solar Cell Basics for Teachers – Summers

Text: PVCDROM: <http://pveducation.org/pvcdrom>

Notes available

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Prerequisites:

College Physics

1. **Solar Cell Fabrication Techniques (You will make a Solar Cell in Lab)**
2. **Nature of Sunlight**
3. **Semiconductor Fundamentals**
4. **PN Junctions**
5. **Solar Cell Operation**
6. **Electricity and Electrical Engineering**
7. **Characterization and Testing Your Solar Cell**
8. **Photovoltaic Systems**

Graded on:

- | | |
|---------------------------------------|------------|
| 1) Lecture attendance & HW | 25% |
| 2) Lab attendance | 25% |
| 3) Final Lab Report | 25% |
| 4) Quizzes | 25% |