SS304 August 3:0
Solar Energy and Materials

Instructor
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Department: Solid State and Structural Chemistry Unit (SSCU)
Course Time: Tue, Fri 2:00-3:30PM
Lecture venue: Multimedia Classroom in SSCU
Detailed Course Page: http://sscu.iisc.ac.in/courses/

Announcements

Brief description of the course
This course is suitable for students working in the area of interdisciplinary research and energy harvesting system.

Prerequisites
None

Syllabus

Course outcomes
After taking this course the students would learn

1. Basics concepts of p-n junction, Light management in Solar Cells, Shockley–Queisser limit or detailed balance limit
2. Electron Transfer Theory, Emerging light harvesting materials,

**Grading policy**

50% Mid Term

50% Final Exam

**Assignments**

**Resources**
The Physics of Solar Cells  
Jenny Nelson