# ECE 340 - Solid State Device Electronics

ECE ILLINOIS

## Course Information

- Syllabus (Download in Microsoft Word format)
- Office Hours
- Course Information and policies
- Campus Gradebook

Final Exam Schedule: Regular final exam: May 9, 7-10 p.m. All sections go to 141 Loomis Lab. Conflict exam: May 10, 8-11 a.m. at 245 Everitt Lab

Final Exam Formula Sheet: Side 1, Side 2.

## Professors Research Pages

- Professor Hsieh's Webpage
- Professor Cheng's Webpage
- Professor Timp's Webpage
- Professor Liu's Webpage

Life after 340...

- ECE 341 - Physics and Modeling of Semiconductor Devices
- ECE 342 - Electronic Circuits
- ECE 344 - Theory and Fabrication of Integrated Circuits
- ECE 355 - Optical Electronics
- ECE 382 - Large Scale Integrated Circuit Design

## Homeworks, past exams, and discussion

- ECE340 Newsgroup ( How to access newsgroup?)
- Homework solutions
  - HW 1, 2, 3, 4, 5, 6, 7
  - HW 8 (sol), 9 (sol), 10 (sol), 11(sol), 12(sol),
  - HW 13 (sol), 14 (sol), 15 (sol), 16 & 17, (16sol), (17sol)
- Exam solutions: Exam1, Exam2
- Past Exams

** Use your NetID to login and your Active Directory Password to access secured douments. How to get it?)

## References

- Professor Timp's 340 Lecture Notes
- PN junction band diagrams - Java applet
- Transistorized (PBS)
- Physical Electronics at ECE UIUC
- Circuits at ECE UIUC
- Britney Spears guide to Semiconductor Physics

Semiconductor classes at other schools

- EECS 105 - Microelectronic Devices and Circuits *(UC Berkeley)*
- EECS 130 - Integrated Circuit Devices *(UC Berkeley)*
- EE 216 - Principles and Models of Semiconductor Devices *(Stanford)*
- EE 228 - Basic Physics for Solid State Electronics *(Stanford)*

Course Director - Professor K.C. Hsieh
Web Page maintained by Chenyang Xu