Course Information
EE 482, Semiconductor Devices
Winter 2011

Professor: Scott Dunham
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by Muller and Kamins (with Chan)

Reference Texts: “Advanced Semiconductor Fundamentals” by Pierret
“Semiconductor Physics and Devices” by Neamen
“Semiconductor Device Fundamentals” by Pierret
“Solid State Electronic Devices” Streetman
“Devices for Integrated Circuits,” by Casey
“Semiconductor Devices: An Introduction” by Singh

Simulation Software: Sentaurus Device (Synopsys)
Available on Linux machines in EE domain

Grading Policy: Homework: 10%
Exam 1: 25%
Exam 2: 25%
Final: 40%

Prerequisites: Devices and Circuits (EE 331, 332 (co-req)):
   basic semiconductor device behavior
Electromagnetics (Phys 122/3, EE 361 (co-req)):
   Poisson’s equation, wave equation