

EE407 Microfabrication – Spring 09

Text: Introduction to Microelectronic Fabrication 2e

Author: Richard C. Jeager

Publisher: Prentice Hall

Dr. Todd j. Kaiser

531 Cobleigh Hall

tjkaiser@ece.montana.edu

<http://www.coe.montana.edu/ee/tjkaiser/>

Office hours: Mon 10am, Wed 2pm, Thur 8am

Prerequisites:

College Physics

1. **Overview of Microelectronic Fabrication**
2. **Lithography**
3. **Thermal Oxidation of Silicon**
4. **Diffusion**
5. **Ion Implantation**
6. **Film Deposition**
7. **Interconnections and**
8. **Packaging and Yield**

Graded Material:

Homework	25%
Laboratory Journal	25%
Midterm	25%
Final Lab Report	25%