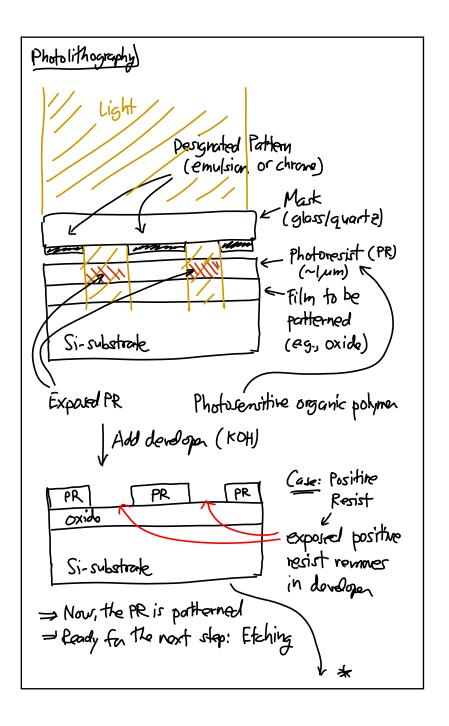
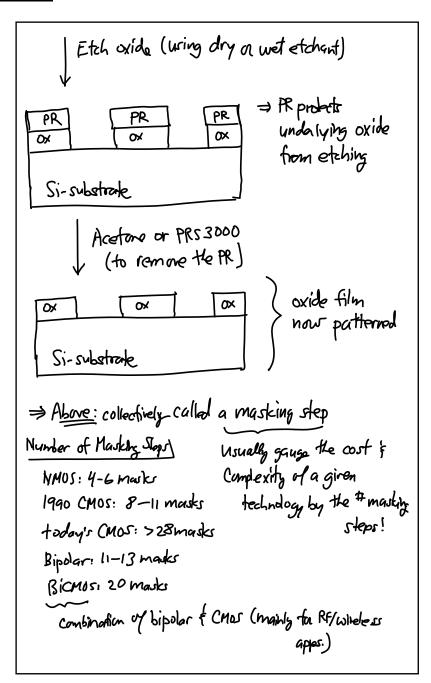
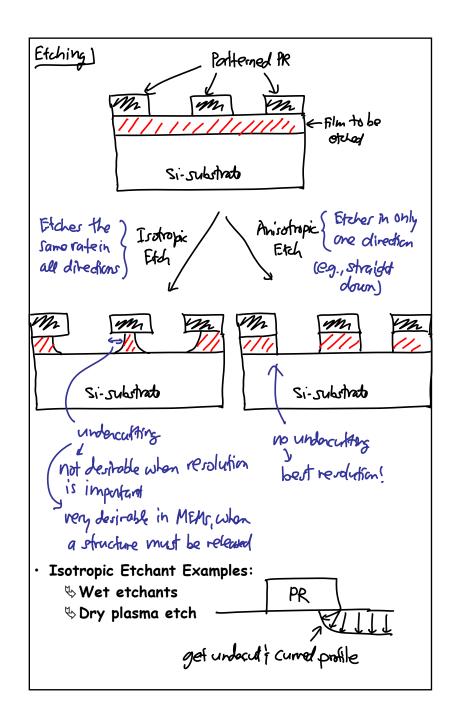
Lecture 5w: Process Modules II

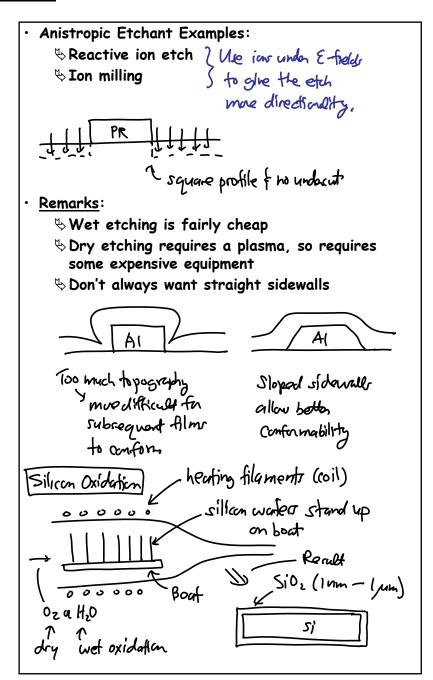
## Lecture 5: Process Module Overview II Announcements: &HW#2 online ♦ Moving my Monday office hour to 1:30 p.m. Moving lecture to 180 Tan Hall (from now on) · Lecture Topics: \$ Process Modules (review & cont.) 🔖 Photolithography, Etching, Oxidation, Film 🎉 Deposition, Ion Implantation, Diffusion Process Integration (Example NMOS Process) Process Modulos => there are actually only a few basic modules used for processing Combination of these in the cornect sequence yields an integrated circuit technology that provides transistors, MEMS, nonodovicos, etc. => For each module, need to understand: 1) Physics and engineering of each module in datail. (2) Interaction between modules. (3) The offect of each module on the finished device.

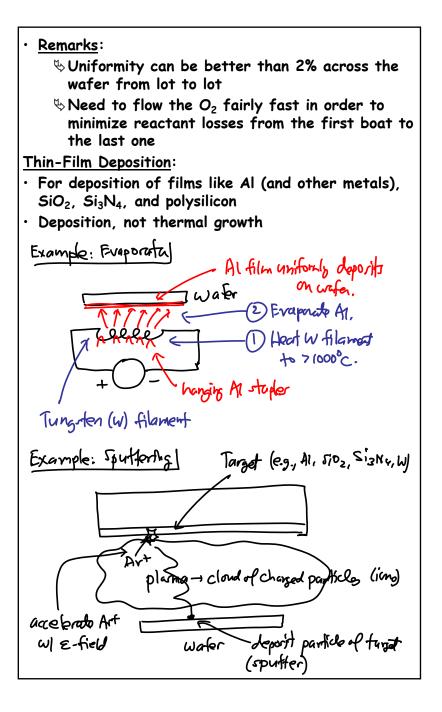


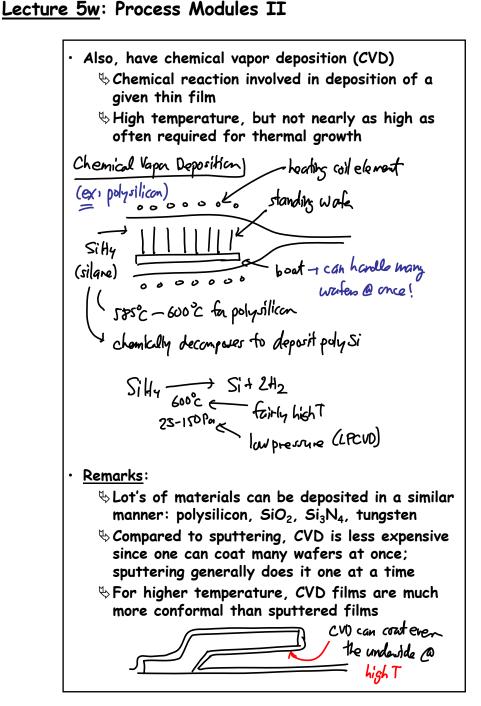
EE 143: Microfabrication Technology

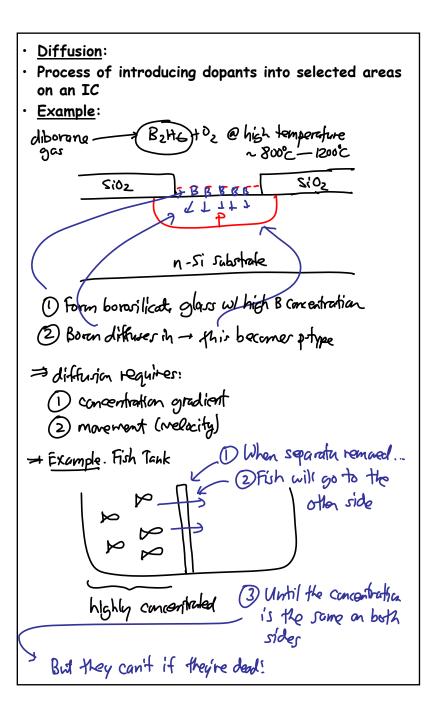




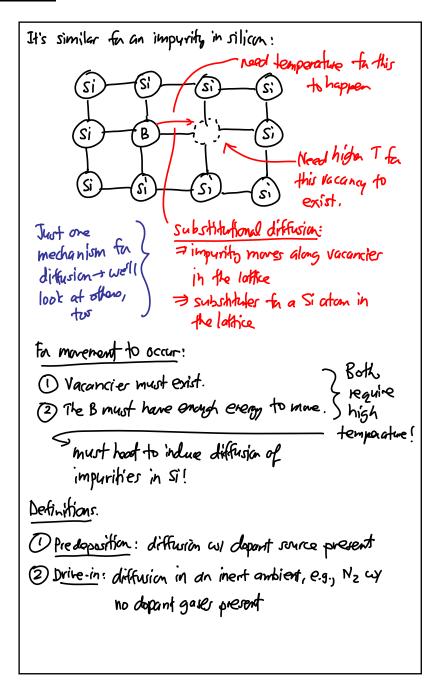


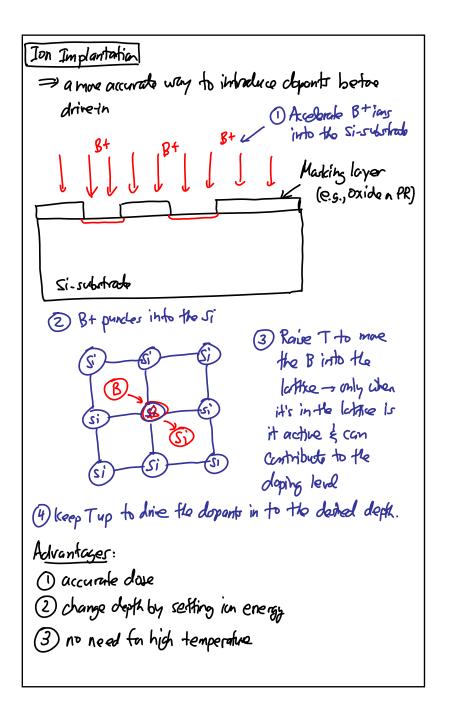


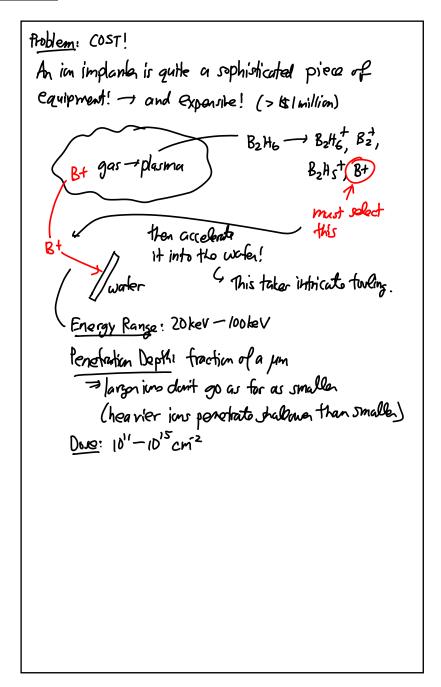


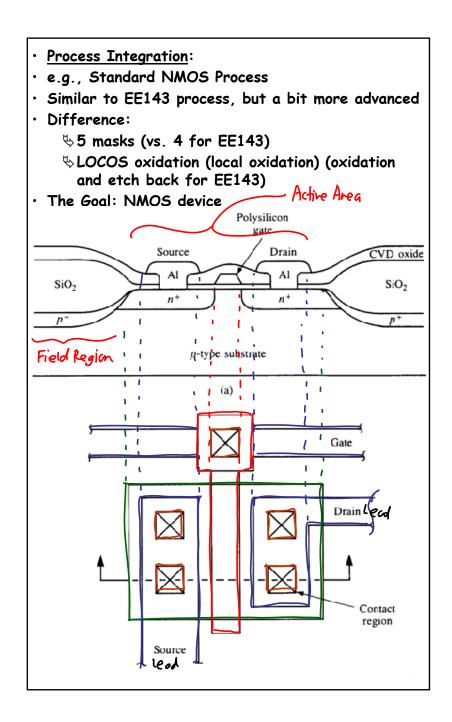


**EE 143**: Microfabrication Technology



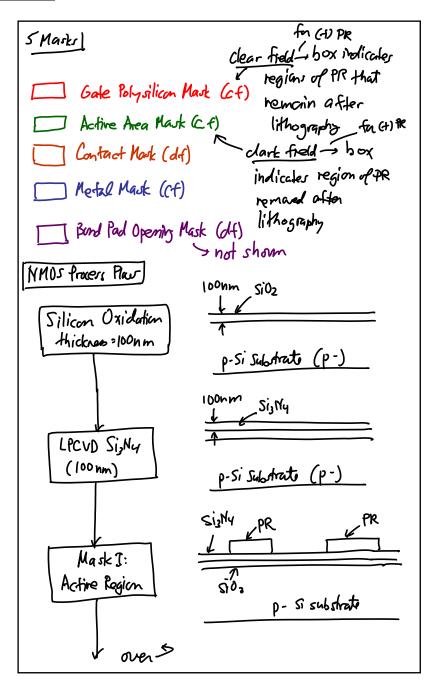


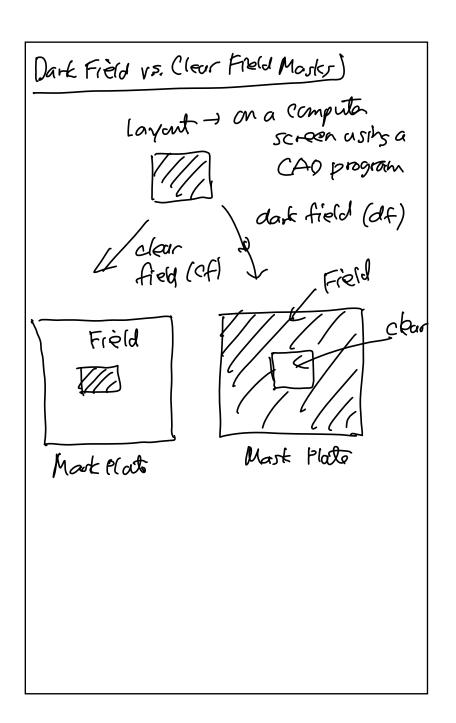




**EE 143**: Microfabrication Technology

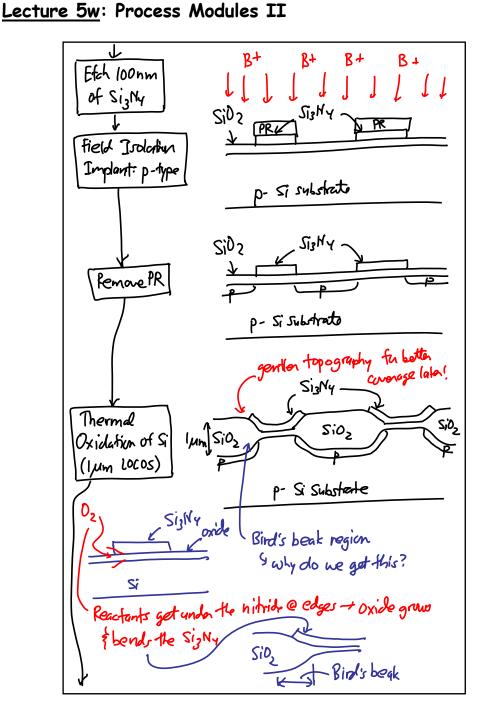
<u>Lecture 5w</u>: Process Modules II

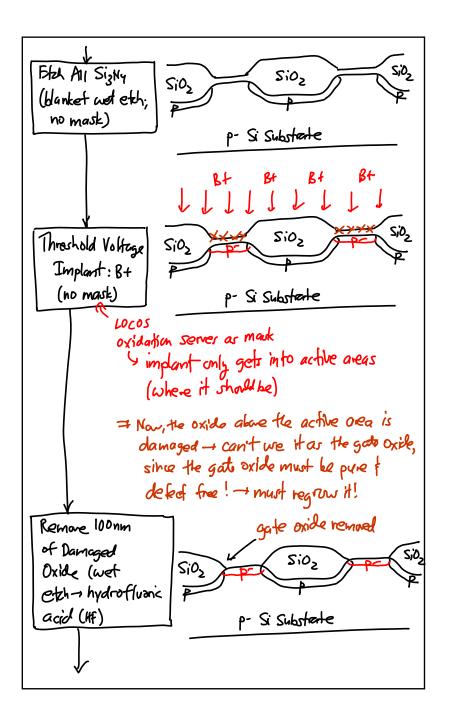




Copyright © 2014 Regents of the University of California

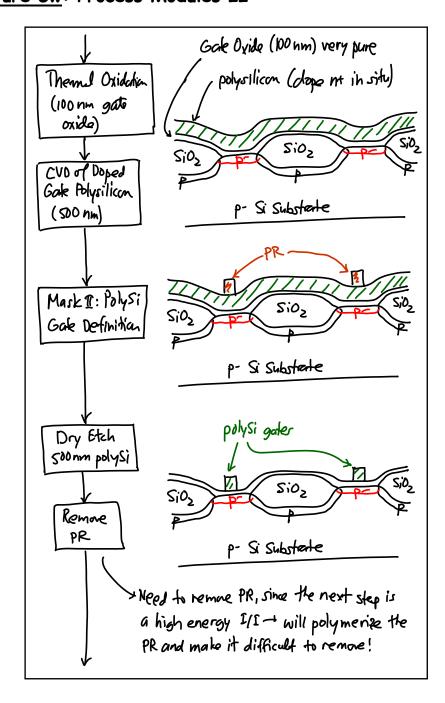
EE 143: Microfabrication Technology





Copyright © 2014 Regents of the University of California

<u>EE 143</u>: Microfabrication Technology Lecture 5w: Process Modules II



Copyright © 2014 Regents of the University of California