

file:G:\courses\spring2012\417\417timS12.doc RWN 01/24/12 updated 02/20/12
 ENEE 417 Spring 2012 Microelectronics Design Laboratory
 Time Schedule: "lectures" Tu 11:00-11:50 AVW 1334; Laboratory AVW 1334
 Section 1: M 2:00-5:00 pm

Week of Monday [Section 1]	Week of Monday [Section 1]
[01/30/12] Familiarize with equipment LabVIEW & DAQ tutorials; DAQ for transistor curves Tektronix and Spice transistor curve tracing Initiate Basic Paper choice	[02/06/12] Spice, LabVIEW & DAQ tutorials; GPIB control Basic Paper preliminary choice Spice modeling from curve tracings Special parts list
02/13/12 Final Basic Paper choice Learn MAGIC and VLSI layout Op-amp curve tracer Parts List for Basic Paper	[02/20/12] Op-amp curve tracer Op-Amp THD Learn MAGIC and VLSI layout
[02/27/12] Ring Oscillator Using DAQ & LabView	[03/05/12] Voltage Doubler Current measurement circuit Using DAQ & LabView
[03/12/12] Negative impedances and use in Quartz crystal equivalent circuit DAQ & LabView	[03/19/12 spring break]
03/26/12 [Base paper designs Catch up on all test projects using DAQ & LabView]	[04/02/12] Basic paper circuit design & testing Present main ideas on Tuesday
[04/09/12] Basic paper circuit measurements Base paper circuit VLSI layout	[04/16/12] Finish Base paper circuit
[04/23/12] Finish Base Paper Circuit and Power Point for Presentations	[04/30/12] Oral Reports in Laboratory Using Power Point
[05/07/12] Last week of Labs Written Reports on Base Paper Circuit Due	Tu 05/08/12 Last class
No Final scheduled	