

ECE 477 – *Digital Systems Senior Design Project* – Spring 2017

COURSE CALENDAR

Wk	Monday	Tuesday	Wednesday	Thursday	Friday	Wk	Monday	Tuesday	Wednesday	Thursday	Friday
1	Jan 9	Jan 10 1 - Course Introduction 1:30-2:20 HAMP 1144	Jan 11 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Jan 12 2 - Defining Requirements 1:30-2:20 HAMP 1144	Jan 13 #1 Final Project Proposal	9	Mar 6	Mar 7 CS1 - Nest Thermostat 1:30-2:20 HAMP 1144	Mar 8 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Mar 9 12 - Legal & Regulatory 1:30-2:20 HAMP 1144	Mar 10 PCB Verification & Submission Deadline
2	Jan 16 MLK Day	Jan 17 3 - Hardware Interfacing 1:30-2:20 HAMP 1144	Jan 18 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Jan 19 3 - Hardware Interfacing 1:30-2:20 HAMP 1144	Jan 20 #2 Functional Specification	10	Mar 13 Spring Break	Mar 14 Spring Break	Mar 15 Spring Break	Mar 16 Spring Break	Mar 17 Spring Break
3	Jan 23	Jan 24 4 - Discrete Components 1:30-2:20 HAMP 1144	Jan 25 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Jan 26 4 - Discrete Components 1:30-2:20 HAMP 1144	Jan 27 #3 Software Overview & #4 Component Analysis	11	Mar 20	Mar 21 12 - Legal & Regulatory 1:30-2:20 HAMP 1144	Mar 22 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Mar 23 13 - Reliability & Safety 1:30-2:20 HAMP 1144	Mar 24 #9 Legal Analysis
4	Jan 30	Jan 31 5 - Power Considerations 1:30-2:20 HAMP 1144	Feb 1 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Feb 2 5 - Power Considerations 1:30-2:20 HAMP 1144	Feb 3 #5 Bill of Materials & #6 Electrical Overview	12	Mar 27	Mar 28 13 - Reliability & Safety 1:30-2:20 HAMP 1144	Mar 29 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Mar 30 14 - Ethical Considerations 1:30-2:20 HAMP 1144	Mar 31 #10 Reliability & Safety Analysis
5	Feb 6	Feb 7 6 - Embedded Software 1:30-2:20 HAMP 1144	Feb 8 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Feb 9 7 - Hardware Design Fund. 1:30-2:20 HAMP 1144	Feb 10 #7 Mechanical Overview	13	Apr 3	Apr 4 15 - Environmental Concerns 1:30-2:20 HAMP 1144	Apr 5 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Apr 6 Case Studies 1:30-2:20 HAMP 1144	Apr 7 #11 Ethical & Environmental Impact Analysis
6	Feb 13	Feb 14 8 - Hardware Design 1:30-2:20 HAMP 1144	Feb 15 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Feb 16 9 - Assembly and Soldering 1:30-2:20 HAMP 1144	Feb 17 Preliminary Schematic & PCB Footprint Library	14	Apr 10	Apr 11 Case Studies 1:30-2:20 HAMP 1144	Apr 12 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Apr 13 Case Studies 1:30-2:20 HAMP 1144	Apr 14 #12 User Manual
7	Feb 20	Feb 21 10 - PCB Verify and Ordering 1:30-2:20 HAMP 1144	Feb 22 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Feb 23 11 - Hardware Debugging 1:30-2:20 HAMP 1144	Feb 24 Preliminary PCB Layout & #8 Software Formalization	15	Apr 17	Apr 18 Presentation Guidelines 1:30-2:20 HAMP 1144	Apr 19 MANLAB 7:30-9:30 11:30-1:20 POTR 262	Apr 20 16 - Next Steps 1:30-2:20 HAMP 1144	Apr 21 #13 Educational Report & (opt) Showcase Poster
8	Feb 27	Feb 28 Formal Design Reviews	Mar 1 Formal Design Reviews	Mar 2 Formal Design Reviews	Mar 3 Midterm Peer Evaluation Due	16	Apr 24	Apr 25	Apr 26	Apr 27	Apr 28 <i>Spark Challenge</i> Digital Systems Design Showcase

Formal Design Reviews for each team will be scheduled on Feb. 28 – Mar 2 Final Presentations will be on May 3, 9 AM - NOON & 1 - 4 PM in MSEE 184

Final Confidential Peer Review, Revised Educational Report (#13), and Final Project Archive (#14) due Monday, May 1, at 5:00 pm