

ECE 47700 - Fall 2023

Weeks 1-8

Tentative Schedule - Subject to Change

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	August 21, 2023	August 22, 2023	August 23, 2023	August 24, 2023	August 25, 2023	August 26, 2023
Week 1		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 1 Intro to ECE 47700	Man Lab 4 (3:30-5:20)	Lecture 2 Defining Requirements	(I) Participation Quiz 1 (T) A0 - Revised IPP	(T) A1 - Final Project Proposal (T) Create Team Website
	August 28, 2023	August 29, 2023	August 30, 2023	August 31, 2023	September 1, 2023	September 2, 2023
Week 2		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 3A Hardware Interfacing	Man Lab 4 (3:30-5:20)	Lecture 3B Hardware Interfacing	(I) Progress Report - Week 1-2 (I) Participation Quiz 2	(T) A2 - Functional Specification
	September 4, 2023	September 5, 2023	September 6, 2023	September 7, 2023	September 8, 2023	September 9, 2023
Week 3	Labor Day No Classes	Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 4A Discrete Components	Man Lab 4 (3:30-5:20)	Lecture 4B Discrete Components	(I) Progress Report - Week 3 (I) Participation Quiz 3	(I) A3 - Software Overview
	September 11, 2023	September 12, 2023	September 13, 2023	September 14, 2023	September 15, 2023	September 16, 2023
Week 4		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 5A Power Design	Man Lab 4 (3:30-5:20)	Lecture 5B Power Design	(I) Progress Report - Week 4 (I) Participation Quiz 4	(I) A4 - Electrical Overview (T) A5 - Component Analysis
	September 18, 2023	September 19, 2023	September 20, 2023	September 21, 2023	September 22, 2023	September 23, 2023
Week 5		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 6 Hardware (PCB) Design 1	Man Lab 4 (3:30-5:20)	Lecture 7 Hardware (PCB) Design 2	(I) Progress Report - Week 5 (T) "Locked Down" PSDRs (I) Participation Quiz 5	(I) A6 - Mechanical Overview (T) A7 - Bill of Materials
	September 25, 2023	September 26, 2023	September 27, 2023	September 28, 2023	September 29, 2023	September 30, 2023
Week 6		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 8 PCB Design Verification	Man Lab 4 (3:30-5:20)	Lecture 9A Firmware Design	(I) Progress Report - Week 6 (T) Schematic & PCB Footprints (I) Participation Quiz 6	(I) A8 - Software Formalization
	October 2, 2023	October 3, 2023	October 4, 2023	October 5, 2023	October 6, 2023	October 7, 2023
Week 7		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Work on
		Lecture 9B PCB Debugging	Man Lab 4 (3:30-5:20)	MDR Lecture Design Review Lecture	(I) Progress Report Week 7 (T) PCB Layout (I) Participation Quiz 7	Midterm Design Review Presentation
	October 9, 2023	October 10, 2023	October 11, 2023	October 12, 2023	October 13, 2023	October 14, 2023
Week 8	October Break No Classes	October Break No Classes	Midterm Design Review Presentations	Midterm Design Review Presentations	Midterm Design Review Presentations	Due at 11:59pm
						(I) Midterm Teammate Reviews
			Due after Pres.	Due after Pres.	Due after Pres.	
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			(I) Pres. Peer Reviews	(I) Pres. Peer Reviews	(I) Pres. Peer Reviews	

ECE 47700 - Fall 2023

Weeks 9-End

Tentative Schedule - Subject to Change

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	October 16, 2023	October 17, 2023	October 18, 2023	October 19, 2023	October 20, 2023	October 21, 2023
Week 9		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 10 PCB Verification & Assembly	Man Lab 4 (3:30-5:20)	Lecture 11 Soldering Techniques	(I) Progress Report Week 8-9 (I) Participation Quiz 9	(T) PCB Verification & Order
	October 23, 2023	October 24, 2023	October 25, 2023	October 26, 2023	October 27, 2023	October 28, 2023
Week 10		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 12A Legal & Regulatory	Man Lab 4 (3:30-5:20)	Lecture 12B Legal & Regulatory	(I) Progress Report - Week 10 (I) Participation Quiz 10	(I) A9 - Legal & Regulatory Analysis
	October 30, 2023	October 31, 2023	November 1, 2023	November 2, 2023	November 3, 2023	November 4, 2023
Week 11		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 13A Reliability & Safety	Man Lab 4 (3:30-5:20)	Lecture 13B Reliability & Safety	(I) Progress Report - Week 11 (I) Participation Quiz 11	(I) A10 - Reliability & Safety Analysis
	November 6, 2023	November 7, 2023	November 8, 2023	November 9, 2023	November 10, 2023	November 11, 2023
Week 12		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Reports Due at 11:59pm
		Lecture 14 Ethical Considerations	Man Lab 4 (3:30-5:20)	Lecture 15 Environmental Concerns	(I) Progress Report - Week 12 (I) Participation Quiz 12	(I) A11 - Ethical & Environ. Analysis
	November 13, 2023	November 14, 2023	November 15, 2023	November 16, 2023	November 17, 2023	November 18, 2023
Week 13		Man Lab 8 (9:30-11:20)	Man Lab 5 (9:30-11:20) Man Lab 9 (12:30-2:20)		Due at 11:59pm	Due at 11:59pm
		Lecture 16 Final Steps	Man Lab 4 (3:30-5:20)		(I) Progress Report - Week 13	(I) A12 - User Manual
	November 20, 2023	November 21, 2023	November 22, 2023	November 23, 2023	November 24, 2023	November 25, 2023
Week 14			Thanksgiving Vacation	Thanksgiving Vacation	Thanksgiving Vacation	Thanksgiving Vacation
	November 27, 2023	November 28, 2023	November 29, 2023	November 30, 2023	December 1, 2023	December 2, 2023
Week 15			Due at 11:59pm (T) A13a - Draft Sr. Des. Rep		Due before 5:00pm (T) Project Demo Deadline Due at 11:59pm (I) Progress Report - Week 14-15	Work on Final Presentations
	December 4, 2023	December 5, 2023	December 6, 2023	December 7, 2023	December 8, 2023	December 9, 2023
Week 16 Quiet Week		Final Presentations Due after Pres.	Final Presentations Due after Pres.	Final Presentations Due after Pres.	SPARK CHALLENGE	Due at 11:59pm (I) Final Teammate Reviews (T) A14 - Project Archive (T) A13b - Sr. Design Report
		(I) Pres. Peer Reviews	(I) Pres. Peer Reviews	(I) Pres. Peer Reviews		
Week 17 Finals Week	December 11, 2023	December 12, 2023	December 13, 2023	December 14, 2023	December 15, 2023	December 16, 2023
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday