Course Schedule: ITSC 305 Winter 2022

Week	Theory Topic	Lab Topic	Assessment (%)
1 (Jan 10)	Module 1 – Basic Electronics	Introduction and Lab 0 – Setup RPi	Quiz 1 – Basic Electronics
2 (Jan 17)	Module 1 – Basic Electronics	Lab 1 – Basic Inputs and Outputs	Quiz 2 – Switches, LEDs, GPIO
3 (Jan 24)	Module 2 – Boolean Logic	Lab 2 – Black Box Behaviour	Quiz 3 – Boolean Logic
4 (Jan 31)	Module 2 – Boolean Logic	Lab 2 – Black Box Behaviour	Quiz 4 – A/D, PWM, 7-segment display
5 (Feb 07)	Module 3 – Advanced Systems	Lab 3 – AtoD and PWM	
6 (Feb 14)	Module 3 – Advanced Systems	Lab 3 – AtoD and PWM	Quiz 5 – Advanced Systems I
R/W (Feb 21)	Reading Week	Reading Week	Reading Week
7 (Feb 28)	Module 3 – Advanced Systems	Lab 4 – Serial Communication	Quiz 6 – Advanced Systems II
8 (Mar 07)	Module 4 – IoT	Lab 4 – Serial Communication	
9 (Mar 14)	Module 4 – IoT	Lab 4 – Serial Communication	Quiz 7 – IoT I
10 (Mar 21)	Module 4 – IoT	Lab 5 – IoT Portals	Quiz 8 – IoT II
11 (Mar 28)	Module 5 - Security	Lab 5 – IoT Portals	Quiz 9 – Security I
12 (Apr 04)	Module 5 - Security	Lab 6 – Firmware (online)	Quiz 10 – Security II, Assignment Due Date
13 (Apr 11)	Project support	Project (online)	
14 (Apr 18)	Project support	Project (online)	
15 (Apr 25)	**Final Exam Week**		

Note: This schedule is subject to change.

Key Dates

Week 2: The course add or drop deadline is the end of Week 2.

Reading Week (between Week 6 and 7) Monday: Feb 21 – Family Day – Institute closed

Reading Week (between Week 6 and 7) Tuesday - Friday: no classes. This week may be used to catch up on labs.

Week 10: The final course withdrawal date as per the calendar is at 70% of the completion of the course. Check "Important Dates" on the SAIT website for specific dates.

Week 13 Friday: April 15 – Good Friday – Institute closed.

Week 14 Monday: April 18 – Easter Monday – Institute closed

Week 15: Final exam week – You must be available to present your project during regular Lab time.