

Module	Lectures		Tutorial (MON)	Tutorial (FRI)	Quiz (MON)	Quiz (FRI)	Assignment	Lecture slides	Week
Module 01									
Into to Measurements	01. Introduction to Transducers and Sensors		None	None	None	Quiz 1.1 (not considered for course grade)			Jan 02 - Jan 07
	02.Static sensor characteristics	03.Dynamic sensor characteristics, LTI systems	2.1: static sensor characteristics	2.2: dynamic sensor characteristics	Quiz 2.1	Quiz 2.2		Module 1[a]	Jan 09 - Jan 14
	04. LTI systems	05. LTI systems	3.1: Linear time invariant systems	3.2: Linear time invariant systems	Quiz 3.1	Quiz 3.2			Jan 16 - Jan 21
	06. LTI systems		4.1: Linear time invariant systems	4.2: Linear time invariant systems	Quiz 4.1	Quiz 4.2	Assignment 01 due on Jan 28	Module 1[b]	Jan 23 - Jan 28
Module 02									
Basic Instrumentation	07.Basic of linear circuits								Jan 23 - Jan 28
	08.Operational amplifiers	09.Frequency response; Active filters	5.1: Basic linear circuits	5.2: Operational amplifiers	Quiz 5.1	Quiz 5.2	Assignment 02 due on Feb 04	Module 02	Jan 30 - Feb 04
Module 03									
Measuring Movements	10.Measuring position	11.Measuring position	6.1: Measuring position	6.2: Measuring position	Quiz 6.1	Quiz 6.2	Assignment 03 due on Feb 11	Module 03[a]	Feb 06 - Feb 11
	12.Measuring position and acceleration								
	13. Measuring acceleration and angular velocity		7.1: Measuring acceleration	7.2: Measuring angular velocity(Tuesday)	Quiz 7.1	Quiz 7.2(Tuesday)	Assignment 04 due on Feb 18	Module 03[b]	Feb 13 - Feb 18
Review for Mid term									
	None		None	Review	None	None	Assignment 05 due on Feb 25		Feb 20 - Feb 25
					Midterm on Feb 27				
Module 04									
Measuring Force and Torque	14.Measuring force and torque		None	Review of mid-term questions	None	None			Feb 27 - Mar 04
	15.Measuring force and torque		Review of mid-term questions	9.1: Measuring force and torque	None	Quiz 9.1		Module 04	Mar 06 - Mar 11
Module 05									
Measuring pressure, flow and volume	16.Measuring pressure	17. Measuring pressure	10.1: Measuring force and torque	10.2: Measuring pressure	Quiz 10.1	Quiz 10.2	Assignment 06 due on Mar 18	Module 05[a]	Mar 13 - Mar 18
	18. Measuring flow	19 Measuring volume	11.1: Measuring pressure	11.2: Measuring flow	Quiz 11.1	Quiz 11.2		Module 05[b]	Mar 20 - Mar 25
Module 06									
Measuring temperature	20.Measuring temperature		12.1: Measuring flow	None	Quiz 12.1	Quiz 12.2	Assignment 07 due on April 01	Module 06	Mar 27 - Apr 01
Module 07									
Measuring biopotentials	21.Measuring biopotentials		13.1: Measuring temperature	None	Quiz 13.1	Quiz 13.2(Tuesday)	Assignment 08 due on April 08		Apr 03 - Apr 08
	None		14.1: Measuring biopotentials	None	Quiz 14.1	Quiz 14.2	Assignment 09 due on Apr 15	Module 07	Apr 10 - Apr 15
	None		Review	Review	None	None			Apr 17 - Apr 22
					Final - Apr 29				