

Schedule

Week		Block	Lecture	Exercises	
1	23.02.24	Fundamentals	Recursive least-square	Exercise LS and RLS	
2	01.03.24		Stochastic processes	LAB 1	5%
3	08.03.24		Reference frames	IMU tutorial + Exercise session pre test	
4	15.03.24		TEST 1 (15%) + R, dR	Exercise on derivation a-frame	
5	22.03.24	Inertial	Numerical integration	LAB 2(4) - errorless INS	5%
6	29.03.24		EASTERN		
	05.04.24		EASTERN		
7	12.04.24		Navigation equations	LAB 3(5) - realistic INS	5%
8	19.04.24		Static initialization	LAB 4(6) w. acquisition	5%
9	26.04.24		S-INS	Exercise session pre-test	
10	03.05.24	Fusion	TEST 2 (15%) + Kalman F.	LAB 5(7) KF ($a=0$)	
11	10.05.24		Extended Kalman filter	LAB 5(7)	10%
12	17.05.24		Error state filter	LAB 6 a	
13	24.05.24		INS/GPS integration	LAB 6 b	
14	31.05.24		TEST 3 (20%) + direct orient.	LAB 6 c	15%
		1x Presentation sensors			5%
		TOTAL	50%		50%