

## Course plan updated 2024-09-06

Kjeld Jensen [kjen@mmmi.sdu.dk](mailto:kjen@mmmi.sdu.dk)

### Course modules

Date	Location	Time	Teacher	Module	Content
Sep 6th	U171	8.15-12.00	Kjeld	1	Course startup, UAV attitude estimation
Sep 13th	U183	8.15-12.00	Kjeld	2	Global Navigation Satellite System
Sep 27th	U183	8.15-12.00	Kjeld	3	Radio communication theory
Oct 4th	U183	8.15-12.00	Guy & Kjeld	4	UAS safety & risk assessment
Oct 11th	U183	8.15-12.00	Oscar	5	Flight controllers, C2 links
Nov 1st	U183	8.15-12.00	Ivan	6	UAV attitude failure detection
Nov 8th	U183	8.15-12.00	Kjeld	7	UAS positioning & navigation, course midterm evaluation
Nov 15th	U183	8.15-12.00	Kjeld	8	Drone radio antennas
Nov 22th	HCAA	8.45-15.45	Oscar & Frederik	9	UAS flight controllers & UAV, power system, prototype building
Nov 29th	HCAA	8.45-15.45	Oscar & Frederik	10	UAV calibration, indoor flight tests
Dec 6th	HCAA	8.45-15.45	Oscar & Frederik	11	Autonomous navigation, outdoor flight tests
Dec 13th	HCAA	8.45-15.45	Oscar, Frederik & Kjeld	12	Outdoor autonomous flight tests, course final evaluation