

**TTT 4234-Space Technology I Autumn 2015**Venue: Auditorium **EL6**, Campus Gløshaugen

Hours:

T0: 08:15-09:00

T1: 09:15-10:00

T2: 10:15-11:00

T3: 11:15-12:00

Date	Lecturer	Topic	Schedule
25.08	Vendela Paxal	Introduction	T1
	Roger Birkeland	Space environment: influence on satellites in orbit	T2
		Presentation of the student satellite project, NUTS	T3
01.09	Vendela Paxal	Satellite orbits: orbit types, mechanics in space, reference systems, perturbations	T1 T2
08.09	Arve Jørgensen	Man in Space	T1 T2
	Petter Eviu Skanke	Space tech II at Andøya/International Space University ++	T3
15.09	Vendela Paxal	Earth observation and navigation	T0 T1
	Alexander Biebricher	The atmosphere	T2 T3
22.09	Hossein Nahavandchi	Earth monitoring satellites: observing earth's size and shape, gravity field and earth's deformation in time. Different satellite systems, data types, applications.	T1
			T2
			T3
29.09	Vendela Paxal	Norwegian Space Industry	T1
	Grunde Joheim	Indra Navia - Satellite landing systems for aircrafts	T2
		Kongsberg - Norspace	T3
06.10	Knut Fossum	Space safety	T1
	Ann-Iren Kittang	Closed Regenerative Life Support Systems	T2
13.10	Vendela Paxal	Satellite platforms	T1
			T2
			T3
20.10	Liz Helena Froes Coelho	Microgravity	T1
			T2
27.10	Vendela Paxal	Satellite communication	T1
			T2
			T3
03.11	Odd Gutteberg	Space transport: overview of conventional methods for satellite launch	T1
			T2
10.11	Vendela Paxal	Polar light	T1
			T2
17.11	Vendela Paxal	Walkthrough of exercises	T1
			T2
			T3

