

SATELLITE FOUNDATION COURSE

SAMPLE PROGRAMME

Day	Time	Session	Scope
1	1 hr	Introduction to Space and satellites	An overview of the global, Asia Pacific and Singapore space and satellite industry
	1 hr 30 min	Geographic Information System (GIS)	Introducing GIS and NUS CRISP GIS Workshop
	30 min	Industry Guest Speaker [Singapore]	Sharing about opportunities in Asia Pacific and Singapore
	1 hr	Introduction to Cubesat Missions	Basics of cubesat missions, requirements and limitations
	1 hr	LUNCH	
	1 hr	Basic Orbital Mechanics	Kepler's Laws
	1 hr	Satellite Communications	Signal strength, disruptions and influencing factors
	1 hr	Ground systems	Common ground systems used in the industry
	1 hr	Cubesat Assembly	How to build a basic cubesat