

CLTP8 Tentative Schedule (as of Nov 30, 2016)

When: Sep 7 to 16 Sep 2017

Location: Group Work room 1211, Funabashi Campus, College of Science & Technology, Nihon University

Date	Term	Contents
		<ul style="list-style-type: none"> • Assessment Test
		<ul style="list-style-type: none"> • Online Lecture • Online Lecture comprehension test
Sep.7	Building Basic Satellite	<ul style="list-style-type: none"> • Opening ceremony • Briefing (Schedule, Executive summary, Self-introduction) • Welcome lunch • Lecture on pico-satellite and HEPTA-Sat Training kit • Hands-on Training: Development environment <ul style="list-style-type: none"> ➤ Learn common point and difference between CanSat, HEPTA-Sat and ultra-small satellite, the element of ultra-small satellite, summary of components, basic information necessary for creating ultra-small satellite. ➤ Creation of development environment for hands-on training and practice programming.
Sep.8		<ul style="list-style-type: none"> • Lab tour(Ground station and Clean room) • Hands-on Training: EPS and C&DH <ul style="list-style-type: none"> ➤ Electric power system design and management (System architecture, power generation, power maintenance, power control, etc.) ➤ Management and information processing design (System architecture, inter-satellite communication, etc.)
Sep.9		<ul style="list-style-type: none"> • Hands-on Training: Sensor and Communication <ul style="list-style-type: none"> ➤ Sensor design (System architecture, AD conversion, data visualization) ➤ Communication design (System architecture, communication protocol, etc.)
Sep.10		<ul style="list-style-type: none"> • Hands-on Training: Ground station & Structure <ul style="list-style-type: none"> ➤ Communication between satellite and ground station(System architecture, orbit, circuit design, etc.) ➤ Structural system design (CAD, vibration test, etc.)
Sep.11		<ul style="list-style-type: none"> • Hands-on Training: All subsystem integration <ul style="list-style-type: none"> ➤ Integrate all hardware and software of the whole subsystem (EPS, C&DH, Communication, Sensor) . • Mission and system definition review <ul style="list-style-type: none"> ➤ New mission system to satisfy the interface (electric power and structure) of HEPTA-Sat training kit, and its review.
Sep.12	Holiday	<ul style="list-style-type: none"> • Akihabara tour
Sep.13	Development of Advanced Level Satellite	<ul style="list-style-type: none"> • Hands-on Training: User board integration <ul style="list-style-type: none"> ➤ Assembly, Integration & Test of new mission.
Sep.14		<ul style="list-style-type: none"> • Hands-on Training: User board integration <ul style="list-style-type: none"> ➤ Assembly, Integration & Test of new mission. ➤ Acceptance Test (Experiment tutorial and HEPTA-Sat vibration test).
Sep.15		<ul style="list-style-type: none"> • Critical Design Review (Development status, trial finding, demonstration result). • Experiment • Post demonstration meeting <ul style="list-style-type: none"> ➤ Demonstration experiment and its preliminary report.
Sep.16		<ul style="list-style-type: none"> • Meeting to report results <ul style="list-style-type: none"> ➤ Mission report, CLTP8 comprehensive report. • Closing ceremony • Farewell party