

M/D	Term	Contents
		<ul style="list-style-type: none"> <li>• Assessment Test</li> <li>• Online Lecture with comprehension test</li> </ul>
8/18		<ul style="list-style-type: none"> <li>• Welcome party</li> </ul>
8/19 (Day1)	Building Basic Satellite	<ul style="list-style-type: none"> <li>• Opening ceremony build teams, Briefing (Schedule, Executive summary, Self-introduction)</li> <li>• Lecture: why/how make satellite?</li> <li>• Lecture: concept necessary/skill for develop satellite and systems</li> <li>• Hands-on Training: Development environment <ul style="list-style-type: none"> <li>➢ Learn common point and difference between HEPTA-Sat and ultra-small satellite, the element of ultra-small satellite, a summary of components, basic information necessary for creating ultra-small satellite.</li> <li>➢ Lab#0, #1: Creation of development environment for hands-on training and practice programming.</li> </ul> </li> </ul>
8/20 (Day2)		<ul style="list-style-type: none"> <li>• Hands-on Training: EPS, C&amp;DH, Sensor <ul style="list-style-type: none"> <li>➢ Lab#2: Electric power subsystem (EPS) design and management (System architecture, power generation, power maintenance, power control, etc.)</li> <li>➢ Lab#3: Command &amp; Data handling subsystem (C&amp;DH) design (System architecture, inter-satellite communication, etc.)</li> <li>➢ Lab#4: Sensor subsystem design (System architecture, AD conversion, data visualization)</li> </ul> </li> </ul>
8/21 (Day3)		<ul style="list-style-type: none"> <li>• Hands-on Training: Communication system ,Structure and All system integration <ul style="list-style-type: none"> <li>➢ Lab#5: Communication subsystem and Ground station subsystem design (Communication between satellite and ground station, System architecture, communication protocol)</li> <li>➢ Lab#6: Structural system design (CAD, vibration test, etc.)</li> <li>➢ Lecture: Team collaboration in satellite operation</li> </ul> </li> </ul>
8/22 (Day4)	Applied Systems Engineering Training	<ul style="list-style-type: none"> <li>➢ Lab#7: Mission Design, System Design &amp; Implementation</li> <li>➢ New mission system to satisfy the interface (electric power and structure) of HEPTA-Sat training kit, and its review.</li> <li>• Mission and system definition review</li> </ul>
8/23 (Day5)		<ul style="list-style-type: none"> <li>➢ Misson/syetem review</li> <li>• Akihabara tour</li> <li>Procurement of parts necessary for new mission.</li> </ul>
8/24 (Day6)	Applied Systems	<ul style="list-style-type: none"> <li>• Hands-on Training: Mission, System Design &amp; Implementation <ul style="list-style-type: none"> <li>➢ Lab#7: Mission Design, System Design &amp; Implementation</li> <li>➢ Assembly, Integration &amp; Test of new mission.</li> </ul> </li> </ul>
8/25 (Day7)	Engineering Training	<ul style="list-style-type: none"> <li>• Hands-on Training: Mission, System Design &amp; Implementation <ul style="list-style-type: none"> <li>➢ Lab#7: Mission Design, System Design &amp; Implementation</li> <li>➢ Assembly, Integration &amp; Test of new mission</li> <li>➢ Mission demonstration</li> <li>➢ Preparation for presentation</li> </ul> </li> </ul>
8/26 (Day8)		<ul style="list-style-type: none"> <li>• Post demonstration meeting</li> <li>➢ Presentation</li> </ul>
8/27 (Day9)	Teaching Practice	<ul style="list-style-type: none"> <li>• Model Rocket Course</li> <li>• Preparation for teaching/instruction technics</li> <li>• Discussion and Teaching Practice Planning</li> </ul>
8/28 (Day10)		<ul style="list-style-type: none"> <li>• Teaching Practice</li> </ul>
8/29 (Day11)		<ul style="list-style-type: none"> <li>• Teaching Practice</li> </ul>
8/30 (Day12)		<ul style="list-style-type: none"> <li>Teaching Practice Review and Discussion</li> <li>Presentation on teaching plan</li> <li>Farewell party</li> </ul>

