

<i>Module/ subject</i>	<b>Description</b>	<b>Number of hours</b>
<i>Space Basics, Standards and Projects</i>	<ul style="list-style-type: none"> <li>• Introduction to Environment of Space</li> <li>• Introduction to Space Standards ECSS Space technologies</li> <li>• Project Phases and Planning</li> </ul>	13
<i>Missions, Payloads and Satellite Systems</i>	<ul style="list-style-type: none"> <li>• Mission types, Payloads and Instruments</li> <li>• Satellite Systems and Subsystems</li> <li>• Launchers and Platforms</li> </ul>	14
<i>Basic Rules of Technical Design of Space Systems</i>	<ul style="list-style-type: none"> <li>• Basic rules of design of space electronic systems</li> <li>• Basic rules of design of space optical systems</li> <li>• Basic rules of design of space mechanical systems (tribology)</li> </ul>	6
<i>Satellite Assembly, Integration &amp; Test (AIT)</i>	<ul style="list-style-type: none"> <li>• AIT of Satellite Subsystems and Instruments</li> <li>• AIT at the Satellite System Level</li> </ul>	22
<i>Ground Segment, Mission Control and Satellite Operations</i>	<ul style="list-style-type: none"> <li>• Ground Segment and Mission Control</li> <li>• Satellite Operations</li> </ul>	6
<i>Design of Space Systems</i>	<ul style="list-style-type: none"> <li>• Design of space electronic systems</li> <li>• Design of space mechanical systems</li> </ul>	6
<i>Closing lectures and On-site Visits</i>	<ul style="list-style-type: none"> <li>• Closing lecture on Space Missions</li> <li>• On-site Visits - Research Centers and Industry</li> </ul>	18
<b>Total</b>		<b>86</b>

<i>Start of the course</i>	October 14, 2022 (Friday)
<i>End of course</i>	December 4, 2022 (Sunday)
<i>Organization of the course</i>	Lectures are held on weekends. On Friday, classes begin at 4 p.m. and continue until 8 p.m.; on Saturday and Sunday, classes run from 9:30 a.m. to 6:30 p.m., with an hour break for lunch / dinner between 1:30 and 2:30 p.m.