

## Syllabus

<b>1. Course Title</b>	(2021) Comprehensive Subject of Practical Engineering G	
<b>2. Course Subtitle</b>	Space law for new space actors: fostering responsible national space activities	
<b>3. Purpose of Subject</b>	<p>Since its inauguration in 2013, Space Engineering International Course has provided the next-generation space leaders to emerging space-faring countries. Considering the expectation the alumni face after their return to the home countries, the students are expected to gain knowledge of not only space engineering but also various aspects surrounding the infant space program of their countries. Space law and policy is one of the most important and urgent subjects they need to learn.</p> <p>Celebrating its 50th Anniversary in 2017, the UN Outer Space Treaty (OST) is the foundation of international space law. Since the OST, governments have agreed, through the UN, a growing list of treaties, principals and guidelines. Collectively they constitute the normative framework governing activities in outer space. This framework has been instrumental in sustaining over half a century of exponential growth in space activities and the global space economy. The United Nations Office for Outer Space Affairs (UNOOSA) works with stakeholders across the legal, policy and capacity building aspects of international cooperation in the peaceful uses of outer space. In this context, UNOOSA offers space law capacity-building and legal advisory services, targeted and tailored, for regulatory authorities of new and emerging space-faring nations.</p> <p>Today, stakeholders around the world are accessing the space environment. Political and economic investment in space is at a record high. With this explosion of new actors, there is a pressing need to enhance global awareness of, and adherence to, the existing normative framework governing outer space activities. Under these circumstances, Kyutech and UNOOSA agreed on collaborating in education of space law and policy to students from the emerging space-faring countries. The Space Law for New Space Actors project by UNOOSA facilitates those countries to draft national space law and/or national space policy that is in line with international space law. A core part of the UN's capacity building activities on space law, the Space Law for New Space Actors project is a significant contribution to promoting and supporting responsible space activities at the international level. As more countries take their space activities to the next level, such UN-led programmatic services deliver tangible benefits of established and emerging space-faring nations alike.</p> <p>This class is also a good opportunity for other students to gain overall knowledge related to space development and utilization. It is also a good opportunity to learn English of specialized area. Therefore, this course is offered to any student who is interested in space law and policy as a Space Engineering International Course subject.</p>	
<b>4. Details of Subject (Contents of the lecture)</b>	Lecture 1-3	Phase 1) Understanding the Fundamental Principles of International Space Law: <ul style="list-style-type: none"> <li>• The lectures will focus on Fundamental Principles of International Space Law in relation to the 5 UN Space treaties</li> <li>• Lecture 1: General Course Introduction &amp; Overview of Space</li> </ul>

	<p>Law</p> <ul style="list-style-type: none"> <li>• Lecture 2: Overview of State Responsibility</li> <li>• Lecture 3: Overview of Rights, Duties and Obligations of States</li> </ul>
4-7	<p>Phase 2) New discussions in COPUOS:</p> <ul style="list-style-type: none"> <li>• The lectures will touch upon the latest discussions of space law</li> <li>• Lecture 4: COPUOS Space Debris Mitigation Guidelines/ LTS Guidelines</li> <li>• Lecture 5: Status on Five UN treaties/ Questionnaire on Small Satellite Activities</li> <li>• Lecture 6: Planetary Protection and Planetary Defense</li> <li>• Lecture 7: Space Resources/Space Traffic Management</li> </ul>
8	Mid Term Exam
9-10	<p>Phase 3) Why do we need National Space Law and Policy</p> <ul style="list-style-type: none"> <li>• Understand the importance of bringing international space law to the national context.</li> <li>• Lecture 8: Importance of having national space law and space policy</li> <li>• Lecture 9: Scenario-based exercise</li> </ul>
11-15	<p>Phase 4) What are the key components of National Space Law</p> <ul style="list-style-type: none"> <li>• Touching upon the 7 key elements of the National Space Law Students will familiarize what needs to be taken in mind when drafting National Space Law.</li> <li>• Lecture 10: Scope of Application</li> <li>• Lecture 11: Authorization and Continuing supervision</li> <li>• Lecture 12: Registration &amp; Transfer of Ownership</li> <li>• Lecture 13: Liability and Insurance</li> <li>• Lecture 14: Safety</li> </ul>
16	Final Exam
<b>5. Textbook and Reference</b>	<p>International Space Law: United Nations Instruments          (To be available at  <a href="https://www.unoosa.org/oosa/oosadoc/data/documents/2017/stspace/stspace61rev.2_0.html">https://www.unoosa.org/oosa/oosadoc/data/documents/2017/stspace/stspace61rev.2_0.html</a> )</p>