



## Subject card

|  |   |  |                                     |  |  |         |     |
|--|---|--|-------------------------------------|--|--|---------|-----|
| Subject name and code  | Legal foundations of space activities I, PG_00050018  |  |                                     |  |  |         |     |
| Field of study   | Space and Satellite Technologies, Space and Satellite Technologies  |  |                                     |  |  |         |     |
| Date of commencement of studies  | February 2023   | Academic year of realisation of subject  |                                     |  | 2022/2023  |         |     |
| Education level  | second-cycle studies  | Subject group  |                                     |  | Humanistic-social subject group  |         |     |
| Mode of study  | Full-time studies   | Mode of delivery   |                                     |  | at the university  |         |     |
| Year of study  | 1   | Language of instruction  |                                     |  | Polish   |         |     |
| Semester of study  | 1   | ECTS credits   |                                     |  | 2.0  |         |     |
| Learning profile   | general academic profile  | Assessment form  |                                     |  | assessment   |         |     |
| Conducting unit  | Department of Geoinformatics -> Faculty of Electronics, Telecommunications and Informatics  |  |                                     |  |  |         |     |
| Name and surname of lecturer (lecturers)   | Subject supervisor  |  | dr hab. inż. Zbigniew Łubniewski    |  |  |         |     |
|  | Teachers  |  |                                     |  |  |         |     |
| Lesson types and methods of instruction  | Lesson type   | Lecture  | Tutorial                            | Laboratory   | Project  | Seminar | SUM |
|  | Number of study hours   | 30.0   | 0.0                                 | 0.0  | 0.0  | 0.0     | 30  |
|  | E-learning hours included: 0.0  |  |                                     |  |  |         |     |
| Learning activity and number of study hours  | Learning activity   | Participation in didactic classes included in study plan   | Participation in consultation hours |  | Self-study   |         | SUM |
|  | Number of study hours   | 30   | 5.0                                 |  | 15.0   |         | 50  |
| Subject objectives   | The aim of the course is learning by students the knowledge on genesis of international space law, basic foundations defining the legal state of the outer space and celestial bodies, and the legal rules defining the limitations of particular states activities in the space. |  |                                     |  |  |         |     |
| Learning outcomes  | Course outcome  | Subject outcome  |                                     |  | Method of verification   |         |     |
|  | K7_W08  | Student obtains the knowledge on law basics of activities in space and as the result he understands better the non-technical conditionings of the use of space technologies. |                                     |  | [SW1] Assessment of factual knowledge  |         |     |
|  | K7_W11  | Student knows the legal basics of business activities using space technology.  |                                     |  | [SW1] Assessment of factual knowledge  |         |     |
|  | [K7_K02] Understands the non-technical aspects of activities in the field of space and satellite technologies, including their social consequences and impact on the state of the environment. Expresses opinions on the development of technology and related risks.             | Student obtains the knowledge on law basics of activities in space and as the result he understands better the non-technical conditionings of the use of space technologies. |                                     |  | [SK4] Assessment of communication skills, including language correctness<br>[SK5] Assessment of ability to solve problems that arise in practice |         |     |
|  | K7_U11  | Student obtains the knowledge, including practical skills, on space law and is able to use it during the accomplishment of technical tasks.                                  |                                     |  | [SU3] Assessment of ability to use knowledge gained from the subject<br>[SU2] Assessment of ability to analyse information                       |         |     |
| [K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment | Student is able to explain the need of knowledge of the international space law basics when conducting an activity in space sector.   |  |                                     | [SK4] Assessment of communication skills, including language correctness<br>[SK5] Assessment of ability to solve problems that arise in practice |  |         |     |

| Subject contents   | <p>The origin and the concept of the international space law</p> <p>Characteristic features of international space law</p> <p>Sources of international space law</p> <p>The legal status of space</p> <p>The range of state jurisdiction in space and on celestial bodies</p> <p>The rules defining the international responsibility for activities in space</p> <p>Institutionalisation of international co-operation in the peaceful use of space</p>  |                               |  |                          |  |                               |                          |       |        |                      |                                  |  |
|--|--|-------------------------------|--|--------------------------|--|-------------------------------|--------------------------|-------|--------|----------------------|----------------------------------|--|
| Prerequisites and co-requisites                          | None.  |                               |  |                          |  |                               |                          |       |        |                      |                                  |  |
| Assessment methods and criteria                          | <table border="1" data-bbox="451 707 1487 770"> <thead> <tr> <th data-bbox="451 707 794 734">Subject passing criteria</th> <th data-bbox="794 707 1145 734">Passing threshold</th> <th data-bbox="1145 707 1487 734">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 734 794 770">Final exam</td> <td data-bbox="794 734 1145 770">50.0%</td> <td data-bbox="1145 734 1487 770">100.0%</td> </tr> </tbody> </table>  |                               |  | Subject passing criteria | Passing threshold  | Percentage of the final grade | Final exam               | 50.0% | 100.0% |                      |                                  |  |
| Subject passing criteria                                 | Passing threshold  | Percentage of the final grade |  |                          |  |                               |                          |       |        |                      |                                  |  |
| Final exam   | 50.0%  | 100.0%                        |  |                          |  |                               |                          |       |        |                      |                                  |  |
| Recommended reading                                      | <table border="1" data-bbox="451 781 1487 1554"> <tr> <td data-bbox="451 781 794 1480">Basic literature</td> <td colspan="2" data-bbox="794 781 1487 1480"> <p>P. Durys i F. Jasiński, <i>Wybór aktów prawnych do nauki międzynarodowego prawa lotniczego i kosmicznego</i>, Warszawa 1999.</p> <p>A. Górbiel, <i>Międzynarodowe prawo kosmiczne</i>, Warszawa 1985.</p> <p>A. Wasilkowski red., <i>Działalność kosmiczna w świetle prawa międzynarodowego</i>, Warszawa 1991.</p> <p>M. Polkowska, <i>Prawo kosmiczne w obliczu nowych problemów współczesności</i>, Warszawa 2011.</p> <p>Z. Galicki, T. Kamiński, K. Myszone-Kostrzewa red., <i>Wykorzystanie przestrzeni kosmicznej. Świat-Europa-Polska</i>, Warszawa 2010.</p> <p>K. Myszone-Kostrzewa red., <i>Kosmos w prawie i polityce, prawo i polityka w kosmosie</i>, Warszawa 2017.</p> <p>F. G. von der Dunk, F. Tronchetti, <i>Handbook of Space Law</i>, Cheltenham-Northampton 2015.</p> </td> </tr> <tr> <td data-bbox="451 1480 794 1514">Supplementary literature</td> <td colspan="2" data-bbox="794 1480 1487 1514">None.</td> </tr> <tr> <td data-bbox="451 1514 794 1554">eResources addresses</td> <td colspan="2" data-bbox="794 1514 1487 1554">Adresy na platformie eNauczenie:</td> </tr> </table> |                               |  | Basic literature         | <p>P. Durys i F. Jasiński, <i>Wybór aktów prawnych do nauki międzynarodowego prawa lotniczego i kosmicznego</i>, Warszawa 1999.</p> <p>A. Górbiel, <i>Międzynarodowe prawo kosmiczne</i>, Warszawa 1985.</p> <p>A. Wasilkowski red., <i>Działalność kosmiczna w świetle prawa międzynarodowego</i>, Warszawa 1991.</p> <p>M. Polkowska, <i>Prawo kosmiczne w obliczu nowych problemów współczesności</i>, Warszawa 2011.</p> <p>Z. Galicki, T. Kamiński, K. Myszone-Kostrzewa red., <i>Wykorzystanie przestrzeni kosmicznej. Świat-Europa-Polska</i>, Warszawa 2010.</p> <p>K. Myszone-Kostrzewa red., <i>Kosmos w prawie i polityce, prawo i polityka w kosmosie</i>, Warszawa 2017.</p> <p>F. G. von der Dunk, F. Tronchetti, <i>Handbook of Space Law</i>, Cheltenham-Northampton 2015.</p> |                               | Supplementary literature | None. |        | eResources addresses | Adresy na platformie eNauczenie: |  |
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| Supplementary literature                                 | None.  |                               |  |                          |  |                               |                          |       |        |                      |                                  |  |
| eResources addresses                                     | Adresy na platformie eNauczenie:   |                               |  |                          |  |                               |                          |       |        |                      |                                  |  |
| Example issues/ example questions/ tasks being completed | Not specified.   |                               |  |                          |  |                               |                          |       |        |                      |                                  |  |
| Work placement   | Not applicable   |                               |  |                          |  |                               |                          |       |        |                      |                                  |  |