



Subject card

|   |   |  |  |                                     |   |            |     |
|---|---|--|--|-------------------------------------|---|------------|-----|
| Subject name and code                       | Virtual Work and Virtual Team Management, E:41030W0   |  |  |                                     |   |            |     |
| Field of study                              | Space and Satellite Technologies  |  |  |                                     |   |            |     |
| Date of commencement of studies             | February 2025   | Academic year of realisation of subject                  |  |                                     | 2024/2025   |            |     |
| Education level                             | second-cycle studies  | Subject group  |  |                                     |   |            |     |
| Mode of study                               | Full-time studies   | Mode of delivery   |  |                                     | at the university   |            |     |
| Year of study                               | 1   | Language of instruction                                  |  |                                     | English   |            |     |
| Semester of study                           | 1   | ECTS credits   |  |                                     | 2.0   |            |     |
| Learning profile                            |   | Assessment form  |  |                                     | assessment  |            |     |
| Conducting unit                             | Department Of Management -> Faculty Of Management And Economics -> Wydział Politechniki Gdańskiej   |  |  |                                     |   |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor  |  | dr hab. inż. Małgorzata Zięba  |                                     |   |            |     |
|   | Teachers  |  | dr hab. inż. Małgorzata Zięba  |                                     |   |            |     |
| Lesson types and methods of instruction     | Lesson type   | Lecture  | Tutorial   | Laboratory                          | Project   | Seminar    | SUM |
|   | Number of study hours   | 15.0   | 0.0  | 0.0                                 | 0.0   | 0.0        | 15  |
|   | 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   | 15   |  | 0.0                                 |   | 0.0        | 15  |
| Subject objectives                          | The course is needed for contemporary workers, especially in high-tech, developed environments. This course will present to the students content on diversity and working in virtual teams and help them in gaining skills related to working in intercultural, virtual environments. |  |  |                                     |   |            |     |
| Learning outcomes                           | Course outcome  |  | Subject outcome  |                                     | Method of verification  |            |     |
|   | K7_W08  |  | Student is familiar with the current opportunities for the development of applications that integrate the activities of people and systems in the virtual space. |                                     | [SW1] Assessment of factual knowledge<br>[SW2] Assessment of knowledge contained in presentation                  |            |     |
|   | [K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications   |  | Student has the knowledge on virtual work and virtual team management.   |                                     | [SW2] Assessment of knowledge contained in presentation   |            |     |
|   | [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  |  | He is able to explain the need to use knowledge from the field of social sciences in the context of activities in the space sector.                              |                                     | [SK1] Assessment of group work skills<br>[SK4] Assessment of communication skills, including language correctness |            |     |
|   | [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 understand the importance of non-material values in space projects.  |                                     | [SK1] Assessment of group work skills<br>[SK4] Assessment of communication skills, including language correctness |            |     |
|   | K7_U05  |  | Student is able to manage a team in a virtual space.   |                                     | [SU3] Assessment of ability to use knowledge gained from the subject  |            |     |

| Subject contents   | <ol style="list-style-type: none"> <li>1. building trust in virtual teams</li> <li>2. communication in virtual teams</li> <li>3. choosing the appropriate technology for communication processes and using it in practice</li> <li>4. understanding diversity in virtual teams (language, cultures, professional background)</li> <li>5. team canvas</li> <li>6. development of the competencies needed in virtual teams</li> <li>7. team development stages (the Lewis model and other approaches)</li> </ol> |   |                   |                               |              |       |        |  |  |
|--|--|---|-------------------|-------------------------------|--------------|-------|--------|--|--|
| Prerequisites and co-requisites                                | No requirements.   |   |                   |                               |              |       |        |  |  |
| Assessment methods and criteria                                | <table border="1"> <thead> <tr> <th data-bbox="456 703 786 736">Subject passing criteria</th> <th data-bbox="791 703 1137 736">Passing threshold</th> <th data-bbox="1142 703 1481 736">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 743 786 770">Presentation</td> <td data-bbox="791 743 1137 770">60.0%</td> <td data-bbox="1142 743 1481 770">100.0%</td> </tr> </tbody> </table>   | Subject passing criteria  | Passing threshold | Percentage of the final grade | Presentation | 60.0% | 100.0% |  |  |
| Subject passing criteria                                       | Passing threshold  | Percentage of the final grade   |                   |                               |              |       |        |  |  |
| Presentation   | 60.0%  | 100.0%  |                   |                               |              |       |        |  |  |
| Recommended reading  | Basic literature   | <ol style="list-style-type: none"> <li>1. Eisenberg, J., Glikson, E., &amp; Lisak, A. (2021). Multicultural Virtual Team Performance: The Impact of Media Choice and Language Diversity. <i>Small-Group Research</i>, 1046496420985614</li> <li>2. Hacker, J. V., Johnson, M., Saunders, C., &amp; Thayer, A. L. (2019). Trust in virtual teams: A multidisciplinary review and integration. <i>Australasian Journal of Information Systems</i>, 23.</li> <li>3. Varhelahti, M. &amp; Turnquist, T. (2021). Diversity and Communication in Virtual Project Teams. <i>IEEE Transactions on Professional Communication</i>. Vol. 64, Issue 2 DOI: 10.1109/TPC.2021.3064404</li> </ol> |                   |                               |              |       |        |  |  |
|  | Supplementary literature   | <p>Ford, R. C., Piccolo, R. F., &amp; Ford, L. R. (2017). Strategies for building effective virtual teams: Trust is key. <i>Business Horizons</i>, 60(1), 25-34.</p> <p>Hacker, J. V., Johnson, M., Saunders, C., &amp; Thayer, A. L. (2019). Trust in virtual teams: A multidisciplinary review and integration. <i>Australasian Journal of Information Systems</i>, 23.</p> <p>Liao, C. (2017). Leadership in virtual teams: A multilevel perspective. <i>Human Resource Management Review</i>, 27(4), 648-659.</p> <p>Wheelan, S.s: (2005). <i>Group Processes: A Developmental Perspective</i>. Boston, MA, USA: Allyn Bacon..</p>  |                   |                               |              |       |        |  |  |
|  | eResources addresses   | <p>Adresy na platformie eNauczanie:</p> <p>Virtual work and virtual team management - 2025 - Moodle ID: 45918 <a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=45918">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=45918</a></p>   |                   |                               |              |       |        |  |  |
| Example issues/<br>example questions/<br>tasks being completed | <p>How to build trust in a virtual team?</p> <p>How to solve conflicts in a virtual team?</p> <p>What are the stages of a virtual team formation?</p>  |   |                   |                               |              |       |        |  |  |
| Work placement   | Not applicable   |   |                   |                               |              |       |        |  |  |