| **1. Course title:** Astronomical Geography and Cartography | | | | |
| --- | --- | --- | --- | --- |
| **2. Code:** | | **3. Type (lecture, seminar, laboratory):** seminar | | |
| **4. Total of contact hours:** 26 hours | | **5. Number of credits (ECTS):** 3 | | |
| **6. Pre-requisites (max. 3):** none | | | | |
| **7. Announced:** ☐ autumn semester, ☒ spring semester, ☐ both semesters | | | | |
| **8. Limit for participants:** no | | | | |
| **10. Instructor-in-charge (faculty, institute and department):**  Péter GYENIZSE, PhD (FS, Institute of Geography, Department of Cartography and Geoinformatics) | | | | |
| **11. Instructor(s) and percentage:** | | László NAGYVÁRADI | | 50 % |
| Péter GYENIZSE | | 50 % |
|  | |  |
|  | |  |
| **12. Language:** English | | | | |
| **13. Course objectives and learning outcomes:**  The course develops the geographical skills, optimises the capabilities of the orientation on the Earth surface and on the sky. | | | | |
| **14. Course outline / Milestones**  Week 1 Basic concepts  Week 2 Calculation with geographical coordinates  Week 3 Distance and azimuth angle calculation and measuring on the Globe  Week 4 Time difference calculation  Week 5 International Date Line  Week 6 Calculation in azimuthal coordinate system  Week 7 Calculation in equatorial coordinate system  Week 8 Map projections and projection conversion  Week 9 National Topographic System and Global Topographic System  Week 10 Relief portrayal, relief mapping methods  Week 11 Map's symbols, map interpretation  Week 12 Measurement on the map  Week 13 Thematic maps | | | | |
| **15. Mid-semester works**  Astronomic geography: 3 tests on 2., 4. and 7. weeks.  Cartography: 1 test on 13. week. | | | | |
| **16. Summative assessment, formative assessment**  Calculation of mark: Astronomic geography (50%), Cartography (50%).  If the mark of Astronomic geography is one (1) or the mark of Cartography is one (1), the whole mark of course is one (the course isn’t satisfied). | | | | |
| **17. Reading assignments:**   1. A. Jon Kimerling, Aileen R. Buckley, Phillip C. Muehrcke, Juliana O. Muehrcke 2012: Map Use: Reading and Analysis - ESRI Press Academic, 585 p. | | | | |
| **18. Recommended texts:**  Astronomical geography study guide printed text | | | | |
| **Date** | 13 November, 2017 | **Prepared** |  | |
| Péter GYENIZSE PhD  instructor-in-charge | |
| **Endorsed** | | |  | |
| András TRÓCSÁNYI PhD leader of the program | |