| **1. Course title:** Digital Cartography | | | | |
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| **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:** | | Péter GYENIZSE | | 50% |
| Gábor FARKAS | | 50% |
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| **12. Language:** English | | | | |
| **13. Course objectives and learning outcomes:**  Aims:  1. To provide an understanding of the computer based cartographic proceedings.  2. To apply the raster and vector graphical drawing software to create orderly geographical maps.  Knowledge:  On successful completion of this course students are expected to be able to create orderly geographical maps.  Subject-specific skills:  On successful completion of the course students are expected to be able to present orderly geographical maps. | | | | |
| **14. Course outline / Milestones**  Week 1 Cartographical basic knowledge. Digital cartography and GIS. Colours systems. Map elements.  Week 2 Organization of map elements. Layout. Thematic maps.  Week 3 Midterm exam. Use of raster based drawing software (drawing of different map elements: areas, lines, points, symbols, typography).  Week 4 Use of vector based drawing software (drawing of different map elements: areas, lines, points, symbols, typography).  Week 5 Digital map drawing individually.  Week 6 Digital map drawing individually.  Week 7 Digital map drawing individually.  Week 8 Digital map drawing individually.  Week 9 Digital map drawing individually.  Week 10 Digital map drawing individually.  Week 11 Digital map drawing individually.  Week 12 Digital map drawing individually.  Week 13 Public presentation of the digital map for teachers and students. | | | | |
| **15. Mid-semester works**  Week 3 Midterm exam  Map presentation last semester week. | | | | |
| **16. Summative assessment, formative assessment**  Evaluation is based on homework points, one midterm exam on week 3 and one public presentation at the end of the semester. Exams: theory. Ranges are the followings:  just less than 50% = 1  50 to 64.99% = 2  65 to 74.99% = 3  75 to 84.99% = 4  85+% = 5  Attendance at all activities will be monitored. Students who fail to attend the activities, or to complete the summative or formative assessment specified above, will not gain the credit for the course. | | | | |
| **17. Reading assignments:**   1. Terry A. Slocum [et al.] 2010: Thematic cartography and geovisualization, Upper Saddle River, 561 p. 2. Menno-Jan Kraak, Ferjan Ormeling (2010): Cartography: visualization of geospatial data, Harlow : Prentice Hall, 198 p. | | | | |
| **18. Recommended texts:**  http://gitta.info/LayoutDesign/en/html/index.html | | | | |
| **Date** | 13 November, 2017 | **Prepared** |  | |
| Péter GYENIZSE PhD  instructor-in-charge | |
| **Endorsed** | | |  | |
| András TRÓCSÁNYI PhD leader of the program | |