

| TITLE   | Course type/exam type | Suggested semester (hour/week)    |      |      |      | ECTS      | Prerequisite             | Instructor-in-charge |
|---|-----------------------|-----------------------------------|------|------|------|-----------|--------------------------|----------------------|
|   |                       | 1                                 | 2    | 3    | 4    |           |                          |                      |
| <b>Obligatory courses</b>                         |                       |                                   |      |      |      |           |                          |                      |
| Modelling and simulations in Earth Sciences       | pract/mark            |                                   | 2/26 |      |      | <b>3</b>  | Dr. Pirkhoffer Ervin     |                      |
| Geographical Applications of the GIS              | lect/oral             | 2/26                              |      |      |      | <b>2</b>  | Dr. Gyenizse Péter       |                      |
| Research Methodology                              | pract/mark            | 2/26                              |      |      |      | <b>2</b>  | Dr. Trócsányi András     |                      |
| Geomatematics                                     | pract/mark            | 2/26                              |      |      |      | <b>3</b>  | Dr. Geresdi István       |                      |
| History and Schools of the Geographical Science   | lect/oral             | 2/26                              |      |      |      | <b>2</b>  | Dr. Pap Norbert          |                      |
| Geographical Landscapes of the Carpathian Basin   | lect/oral             | 2/26                              |      |      |      | <b>2</b>  | Dr. Fábíán Szabolcs Ákos |                      |
| Landscape Ecology and Landscape Evaluation        | lect/oral             | 3/47                              |      |      |      | <b>4</b>  | Dr. Lóczy Dénes          |                      |
| Geographical Approach of the Regional Development | pract/mark            | 2/26                              |      |      |      | <b>2</b>  | Dr. Reményi Péter        |                      |
| Political Geography                               | lect/oral             | 4/52                              |      |      |      | <b>4</b>  | Dr. Pap Norbert          |                      |
| Space–Society–Sustainability                      | pract/mark            |                                   | 2/26 |      |      | <b>2</b>  | Dr. Pirisi Gábor         |                      |
| Practical Applications of the GIS                 | pract/mark            |                                   |      | 2/26 |      | <b>3</b>  | Dr. Alpek Levente        |                      |
| Regional Geography of the Continents I.           | lect/oral             | 4/52                              |      |      |      | <b>6</b>  | Dr. Reményi Péter        |                      |
| Regional Geography of the Continents II.          | lect/oral             |                                   | 4/52 |      |      | <b>6</b>  | Dr. Nagyváradi László    |                      |
| Professional practice                             | pract/mark            | Contiguous 6-week-long internship |      |      |      | <b>5</b>  |                          |                      |
| Thesis I.   | pract/mark            |                                   |      | X    |      | <b>10</b> | Research Methodology     |                      |
| Thesis II.  | pract/mark            |                                   |      |      | X    | <b>20</b> | Thesis I.                |                      |
| <b>Geomorphology specialisation</b>               |                       |                                   |      |      |      | <b>38</b> |                          |                      |
| GIS Programming I.                                | pract/mark            |                                   | 2/26 |      |      | <b>3</b>  | Dr. Pirkhoffer Ervin     |                      |
| GIS Database Modeling                             | pract/mark            |                                   |      | 2/26 |      | <b>3</b>  | Dr. Bugya Titusz         |                      |
| Applied Geomorphological Mapping                  | pract/mark            |                                   |      | 2/26 |      | <b>4</b>  | Dr. Fábíán Szabolcs Ákos |                      |
| Engineering and Anthropogenic Geomorphology       | pract/mark            |                                   | 2/26 |      |      | <b>3</b>  | Dr. Fábíán Szabolcs Ákos |                      |
| Quaternary Research                               | lect/oral             |                                   |      | 2/26 |      | <b>3</b>  | Dr. Fábíán Szabolcs Ákos |                      |
| Surface Modelling                                 | pract/mark            |                                   |      |      | 2/26 | <b>3</b>  | Dr. Kovács István Péter  |                      |
| 3D Visualization                                  | lect/oral             |                                   |      |      | 2/26 | <b>2</b>  | Dr. Gyenizse Péter       |                      |
| Fieldwork in Geomorphology                        | pract/mark            |                                   | 1/53 |      |      | <b>4</b>  | Dr. Czigány Szabolcs     |                      |
| Geomorphic Systems                                | lect/oral             |                                   |      |      | 3/39 | <b>4</b>  | Dr. Lóczy Dénes          |                      |
| Earth Observation                                 | pract/mark            |                                   |      | 2/26 |      | <b>3</b>  | Dr. Ronczyk Levente      |                      |

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|--|------------|--|------|------|--|----------|--|------------------|
| Stratigraphy                                 | lect/oral  |  | 2/26 |      |  | <b>3</b> |  | Dr. Budai Tamás  |
| Research Methods in Geomorphology            | pract/mark |  |      | 2/26 |  | <b>3</b> |  | Dr. Kovács János |
| Elective courses (completing min. 6 credits) |            |  |      |      |  | <b>6</b> |  |                  |