

**Table.** Schedule of subjects by semester and year of study course for the PhD study

|  |           |   |   |                        | Peak hours (Active hours of study) |     | ESPB |
|--|-----------|---|---|------------------------|------------------------------------|-----|------|
|  | Code      | Name of subjects  | S | The status of subjects | L*                                 | RW* |      |
| <b>FIRST YEAR</b>                            |           |   |   |                        |                                    |     |      |
| 1  | GHGPhD 01 | Seminar 1   | 1 | compulsory             | 1                                  | 5   | 6    |
| 2  | GHGPhD 02 | Published paper P1  | 1 | compulsory             | 1                                  | 3   | 4    |
| 3  | GHGPhD 03 | PhD thesis project  | 1 | compulsory             | 2                                  | 4   | 10   |
| 4  | GHGPhD 14 | Special chapters in hydrogeological research and management of groundwater of open structures           | 1 | optional               | 4                                  | 0   | 10   |
| 5  | GHGPhD 15 | Special chapters in hydrogeological research and management of groundwater of basin and deep structures | 1 | optional               | 4                                  | 0   | 10   |
| 6  | GHGPhD 04 | Practical research P1   | 2 | compulsory             | 0                                  | 7   | 10   |
| 7  | GHGPhD 05 | Prefeasibility study  | 2 | compulsory             | 2                                  | 4   | 10   |
| 8  | GHGPhD 16 | General stratigraphy – selected chapters  | 2 | optional               | 4                                  | 3   | 10   |
| 9  | GHGPhD17  | Volcanic complexes and formation – selected chapters  | 2 | optional               | 4                                  | 3   | 10   |
| 10   | GHGPhD 18 | Systems of carbonate sedimentation  | 2 | optional               | 4                                  | 3   | 10   |
| 11   | GHGPhD 19 | Research methods of solid mineral resources   | 2 | optional               | 4                                  | 3   | 10   |
| 12   | GHGPhD 20 | Reconstruction of paleoenvironment– selected chapters   | 2 | optional               | 4                                  | 3   | 10   |
| 13   | GHGPhD 21 | Volcanic petrogenesis   | 2 | optional               | 4                                  | 3   | 10   |
| 14   | GHGPhD 22 | Basin modeling in researching of oil and gas  | 2 | optional               | 4                                  | 3   | 10   |
| 15   | GHGPhD 23 | Paleontology and paleoecology of Serbia Mesozoic  | 2 | optional               | 4                                  | 3   | 10   |
| 16   | GHGPhD 24 | Geochemistry of regions   | 2 | optional               | 4                                  | 3   | 10   |
| Total hours of active studying on year = 100 |           |   |   |                        |                                    |     |      |
| <b>SECOND YEAR</b>                           |           |   |   |                        |                                    |     |      |
| 17   | GHGPhD 07 | Seminar 2   | 3 | compulsory             | 1                                  | 3   | 3    |
| 18   | GHGPhD 08 | Practical research P2   | 3 | compulsory             | 0                                  | 3   | 3    |
| 19   | GHGPhD 09 | Research Study  | 3 | compulsory             | 1                                  | 4   | 4    |
| 20   | GHGPhD 25 | Special chapters of tapping and sustainable use of fresh water  | 3 | optional               | 6                                  | 2   | 10   |
| 21   | GHGPhD 26 | Special chapters of tapping and sustainable   | 3 | optional               | 6                                  | 2   | 10   |

|   |           |  |   |            |   |    |    |
|---|-----------|--|---|------------|---|----|----|
|   |           | use of mineral water and geothermal energy     |   |            |   |    |    |
| 22  | GHGPhD 10 | Special chapters of environmental hydrogeology | 4 | compulsory | 3 | 0  | 10 |
| 23  | GHGPhD 11 | Paper from SCI List                            | 4 | compulsory | 5 | 12 | 20 |
| Total hours of active studying on year = 50 |           |  |   |            |   |    |    |
| <b>THIRD YEAR</b>                           |           |  |   |            |   |    |    |
| 24  | GHGPhD12a | Scientific and research work                   | 5 | compulsory | 0 | 20 | 5  |
| 25  | GHGPhD12b | Scientific and research work                   | 6 | compulsory | 0 | 20 | 5  |
| Total hours of active studying = 40         |           |  |   |            |   |    |    |
| 26  | GHGPhD13a | Completion PhD dissertation                    | 6 |            |   |    | 50 |
| 27  | GHGPhD13b |  |   |            |   |    |    |

\*L- Lectures

\*RW- Research work