**Table 5.1** Course specification to doctoral study programs

|  |
| --- |
| **Course name: PhD thesis - realization and defense of thesis** |
| **Teacher or teachers:** |
| **Course status:** Mandatory |
| **Number of ECTS:** 20 |
| **Precondition courses:** None |
| **Educational goal**The basic goal is acquiring knowledge of the way, structure and form of writing of doctoral dissertation, after the accomplished analyses performed in the scope of the given topic of the dissertation. By producing the doctoral dissertations, the students acquire the scientific experience applicable in practice. The ultimate goal of production and defense of the dissertation is development of the students capacity to prepare the results of their independent work in an appropriate form and publicly present them. |
| **Educational outcomes** Building students capacity to master the theoretical postulates of the issues treated in the doctoral dissertation through implementation of the previously acquired knowledge. Through independent usage of literature, the students expand their knowledge in the area of the doctoral dissertation, by studying various methods and papers pertaining to the similar issues. The student is instructed to cooperate with other professions, and the importance of multidisciplinary approach and team work is pointed out. By producing the doctoral dissertation, the students acquire certain knowledge which can be applied in practice while solving the problems in their trade. |
| **Course content**It is formed individually, according to the needs arising in production of a concrete doctoral dissertation, its complexity and structure. Students write the doctoral dissertation in accordance with the regulations of the faculty of Civil Engineering and Architecture and hands it firstly to the mentor, and afterwards to the members of the committee for dissertation evaluation. |
| **Literature** |
| **Number of active teaching classes (weekly)** | Lectures: 0 | Study research work: 0 |
| **Teaching methods**In the framework of scientific-research work, the student has consultations with the mentor, and if necessary with other teachers treating the subject matter of the doctoral dissertation. Students write the doctoral dissertation and after obtaining approval by the defense and evaluation committee, they supply the hardback copies to the committee. The defense of the doctoral dissertation is public, in front of the committee. The student is obliged to answer the questions after the presentation of the doctoral dissertation. |
| **Knowledge evaluation (maximum 100 points)****Pre-examination obligations Points Final exam Points**Realization of PhD dissertation **50** Defense of PhD dissertation **50** |