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| **Name of the course:** | **Data Modelling and Databases** |
| **Faculty member responsible for the course:** | **Attila Kiss** |
| **Responsible department:** | **Information Systems** |
| **Total credits** | **4** |
| **Total hours** | **4** |
| **Type of the course** | **lecture** | **practice** | **consultation** |
| Hours per week | **2** | **2** | **0** |
| Type of testing | **written** | **written** |  |
| **Topics:** |  The course is about the following topics: E/R modeling, the relational data model, normal forms, SQL, referential integrity, security, transactions and data warehousing. |
| **Literature:** | **Database Systems The Complete Book (2nd edition) – 2014** **by** Hector Garcia-Molina, Jeffrey D. Ullman, Jennifer Widom ISBN-13: 978-0131873254 |