**UFCFU3-15-3 - Advanced databases 24jan**

**Week 1 - Session Plan**

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| **What we will cover in this session…** | * Module Introduction * Introduction to Relational Databases * ER Modelling * Normalization * Triggers |
| **This links to…** | * Your previous gained knowledge about relational databases on various modules depending on your route. |
| **Prepare** | **Key concepts / terms to look up before the session:**   * Relational Databases * Database tools     **It may be helpful to:**   * Have a look at the reading list – * https://www.w3schools.com/mysql/mysql\_rdbms.asp |
| **Participate** | **In the session we will explore:**   * What are relational databases? Why do we use it? What are their limitations? * ER Modelling concepts and how to draw an ER Diagram * Normalization concepts, solving it with examples * Active databases – Triggers – a walkthrough   **Session materials**  Lecturer slides, prerecorded lecture videos, and practical exercises are available under Learning Material section on the Blackboard |
| **Practise** | **How this session links to assessment**  It introduces academic and practical skills related to relational database management systems that the students should practise and demonstrate. The lecture and practical sessions learning activities will directly contribute to the assessment portfolio. |
| **Session materials** | Session material is available on the Blackboard. |