1. **Course Number and Name:**
   INFS 3770 Introduction to Database Systems
2. **Credits and Contact hours:**
   Credits: 3 hours, Contact: 3 lecture hours
3. **Instructor's or course coordinator's name:**
   Teresa Keefe
4. **Text book, title, author, and year:**
   None
   a. **Other supplemental materials:**
5. **Specific Course Information:**
   a. **Brief description of the content of the course (catalog description):**
      The main topics to be covered in this course include data modeling and logical database design; database architectures with an emphasis on the relational data model; physical database design; data and database administration, and data manipulation (particularly SQL-based data creation, retrieval, update, and deletion). Microsoft Access and Oracle SQL Developer will be used to introduce these database topics.
   b. **Pre-requisites, or co-requisites:**
      BUAD 2020/3050 and INFS 3150
6. **Specific goals for the course:**
   a. **Specific outcomes of instruction:**
      1. Understand database design – both conceptual and logical.
      2. Develop entity relationship diagrams.
      3. Convert entity relationship diagrams into normalized relational databases.
      4. Formulate queries in QBE & SQL
      5. Demonstrate competent use of RDBM software tools to create, manage and query a database.
      6. Demonstrate competency in writing triggers and stored procedures.
   b. **Explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course:**
      None
7. **Brief list of topics to be covered:**
   1. Introduction to Database Management
   2. Relational Databases
   3. Designing the Database
   4. Entity Relationship Modeling
   5. Normalization
   6. Intro to DML, SQL & Relational Algebra
   7. Intro to Oracle Developer P/L
   8. Aggregation & Grouping