1. Describe the major components of a database management system and state their functions and purpose.

2. Develop a data model for a database application using an appropriate modeling tool such as ER diagrams.

3. Use the concepts of data normalization to develop well-designed database applications.

4. Implement a database application using an appropriate relational DBMS.

5. Use SQL to access database information.

6. Describe major operational issues associated with database applications, including transaction management, security, and integrity.