CISC 401 Assignments and CAHIIM competencies

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| Subdomain | Curricular Consideration | Type of assignment, location in syllabus or calendar |
| I. C. 1. | Format data to satisfy integration and interoperability needs | Assignment A4: Data type case study |
| I. C. 2. | Construct and maintain the standardization of data dictionaries to meet the needs of the enterprise | Assignment A6: Comparative essay Relationship-Level, Table-Level, and Field-Level Integrity and Business Rules |
| I. C. 4. | Assess information operability and information exchange | Assignment B5: Group project-IS analysis and presentation for analyzing existing information system |
| I. D. 1. | Analyze information needs of customers across the healthcare continuum | Assignment B4: Database view presentation  Contrast Different Views for Different Users |
| I. D. 2. | Evaluate health information systems and data storage design | Assignment B5: Group project-IS analysis and presentation for analyzing existing information system |
| I. D. 4. | Apply knowledge of database architecture and design to meet organizational needs | Assignment A3: UML case study Identify and Diagram Different Relationships |
| III. A. 1. | Utilize technology for data collection, storage, analysis and reporting of information | Assignment B3: Relational database project  Design, Define, Build, and Use a Relational Database |
| III. A. 2. | Assess systems capabilities to meet regulatory requirements | Assignment C5: Data integrity essay-summarize the steps to review data Integrity |
| III. A. 5. | Apply knowledge of database querying and data exploration and mining techniques to facilitate information retrieval | Assignment C3: Query case study Demonstrate the Proper Query |
| III. C. 6. | Evaluate administrative reports using appropriate software (SQL reporting tools) | Assignment D5: Generate a Database Report |

Assignment list

**Assignment A4: Identify the field specifications for a given case study**

Description: Given a case study scenario, students must identify the necessary field definitions, including size and data type specifications (Word document homework assignment).

**Assignment A6: Compare Relationship-Level, Table-Level, and Field-Level Integrity and Business Rules** Description: Students must write an essay that compares the various kinds of integrity and business rules, and explains why each one is important (Word document homework assignment).

**Assignment A5: Explain Data Consistency and Data Integrity**

Description: As part of a group project, students must explain how data consistency and data integrity are supported (group project and presentation).

**Assignment B4: Contrast Different Views for Different Users**

Description: As part of a group project, students must present and contrast different database views for different users with varying roles (group project and presentation).

**Assignment B5: Create a Plan for How to Analyze an Existing Information System**

Description: As part of a group project, students must create a plan for how to analyze an existing information system (group project and presentation).

**Assignment A3: Identify and Diagram Different Relationships**

Description: Students must analyze a given case study, and then identify and diagram different relationships using Universal Modeling Language (UML) (UML homework assignment).

**Assignment B3: Design, Define, Build, and Use a Relational Database**

Description: As part of a group project, students must design, define, build, and use a relational database (group project and presentation).

**Assignment C5: Summarize the Steps to Review Data Integrity Users**

Description: Students must write an essay that explains how data consistency and data integrity are supported (Word document homework assignment).

**Assignment C3: Demonstrate the Proper Query**

Description: Students must analyze a given case study, and then demonstrate the proper query (or queries) to obtain a desired return set (Word document homework assignment).

**Assignment D5: Generate a Database Report**

Description: As part of a group project, students must generate a database report (group project and presentation).