



# Course Competency Report by Code

Code: C170

## Data Management - Applications (C170)

Course of Study: C170 - Data Management - Applications  
Course Level: Undergraduate  
Course Division: Lower Division Major  
Discipline: Information Technology  
Course Type:  
Department: Information Technology

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
4018.1.1	Conceptual Models to Physical Schemas	The graduate creates conceptual data models and translates them into physical schemas.
4018.1.2	Create Databases	The graduate creates databases utilizing SQL Data Definition Language (DDL) in MySQL environment.
4018.1.3	Create/Modify Tables and Views	The graduate writes code to create and modify tables and views employing SQL Data Definition Language (DDL) in MySQL environment.
4018.1.4	Create Primary Keys/Foreign Keys and Indexes	The graduate writes code to create and modify Primary Keys (PKs) and Foreign Keys (FKs) and Indexes with SQL Data Definition Language (DDL) in MySQL environment.
4018.1.5	Populate Tables	The graduate populates tables with insert, update, and delete using DML in MySQL environment.
4018.1.6	Create Simple & Complex Queries	The graduate creates simple Select-From-Where (SFW) and complex 3+ table join queries with Data Manipulation Language (DML) in MySQL environment.