

CENTER FOR INNOVATIVE TECHNOLOGIES  
MASTER COURSE DOCUMENT

## CPDM 211 Business Application Development 1: RPGLE/DB2

**Course Description:** A course on the IBM operating system and utilities including DB2, Control Language, Query, SDA, and SQL. Topics include: RPGLE utilization of forms/specifications, language operation codes and special functions used to generate reports, and transaction level file maintenance.

**Prerequisites(s):** IT 102

**Corequisite(s):** No corequisite

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 105	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)	<input type="checkbox"/> Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: <input type="checkbox"/> Web	<input type="checkbox"/> Hybrid	x Classroom
Semesters Offered: <input type="checkbox"/> Fall	<input type="checkbox"/> Spring	<input type="checkbox"/> Summer

### Course Primary Text:

Title: IBM i5 Primer	Edition: 4th
Author(s): Holt, Forsythe, Pence, and Hawkins	
Publisher: Mc Press	

### Supplemental Materials:

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### Course Outcomes:

1	Explain the purpose of the IBM Operating Systems
2	Understand how objects are managed on the system
3	Enter control language commands
4	Send and Review messages and work with message queues
5	Use IBM I Application Tools
6	Write basic Control Language programs
7	Define and create physical and logical fiels
8	Write simple RPG IV programs

### Course Topics:

Week 1	Introduction to the IBM System i
Week 2	Using supporting interfaces
Week 3	Messages

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Week 4	Using CL Commands
Week 5	Managing objects
Week 6	Managing work
Week 7	Midterm Project and Midterm Exam
Week 8	Review of application development tools
Week 9	Control Programming Language
Week 10	Control Programming Language- Continued
Week 11	DB2 UDB for IBM i
Week 12	DB2 UDB for IBM I - Continued
Week 13	Defining database files using DDS
Week 14	Creating reports and displays
Week 15	Final Project and Final Exam

**Methods of Evaluation/Assessment**

Assignments – 30%
Midterm Exam – 15%
Midterm Project – 15%
Final Exam – 20%
Final Project – 20%

Course Keeper: Bob Nields

Date Completed: April 1, 2019