

CENTER FOR INNOVATIVE TECHNOLOGIES  
MASTER COURSE DOCUMENT

## CPDM 212 Business Application Development 2: RPGLE/DB2

**Course Description:** A continuation of BPA 211. Topics include: RPGLE procedural programming including arrays/list processing, interactive applications, and subfiles; interactive and embedded SQL; and ILE programming through service programs to address introductory cross-platform programming.

**Prerequisites(s):** CPDM 211

**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 <input checked="" type="checkbox"/> Classroom		
Semesters Offered: <input type="checkbox"/> Fall <input type="checkbox"/> Spring <input type="checkbox"/> Summer		

### Course Primary Text:

Title: Modern RPG IV Language	Edition: 4th
Author(s): Cozzi	
Publisher: Mc Press	

### Supplemental Materials:

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### Course Outcomes:

1	Write RPG IV programs to produce reports
2	Write RPG IV programs that interact with displays
3	Use editor to enter and modify source programs
4	Review compilation listing, find, and correct compilation error
5	Use the debugger tool
6	Use many popular RPG IV built-in functions

### Course Topics:

Week 1	Review of BPA-211
Week 2	RPG IV Introduction
Week 3	RPG IV Introduction Continued
Week 4	Coding Specifications for RPG IV

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Week 5	Data Representation and Definition
Week 6	Manipulating Data in Calculations
Week 7	Manipulating Data in Calculations - Continued
Week 8	Midterm Project and Midterm Exam
Week 9	Printing from an RPG IV Program
Week 10	Using Debugger
Week 11	Structured Programming and Subroutines
Week 12	Structured Programming and Subroutines – Continued
Week 13	Coding Inquiry Programs
Week 14	Coding Inquiry Programs – Continued
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