

CPDM

Courses

CPDM 145 Data Reporting

4 Credits. 3 Lecture Hours. 3 Lab Hours.

A course on using Crystal Reports as the tool to design and deliver reports that include tables, charts, and graphs as part of a Web-based application linked to an SQL server database.

Prerequisites: IT 101, IT 110, IT 111 or CIT 110 (minimum grade C for all)

CPDM 151 ASP.NET C# 1

3 Credits. 2 Lecture Hours. 3 Lab Hours.

A course on the ASP.NET framework using C#. Topics include: introduction to C# language and syntax, Web forms, server controls, master pages, AJAX, and data driven applications.

Prerequisites: IT 101, IT 110, IT 111, (minimum grade C for all)

CPDM 152 ASP.NET C# 2

3 Credits. 2 Lecture Hours. 3 Lab Hours.

A continuation of CPDM 151. Topics include: advanced ASP.NET server controls, building custom classes, Web services, designing Web applications from abstract requirements, and effectively utilizing online reference materials.

Prerequisites: CPDM 151

CPDM 190 Cooperative Education Preparation: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 0 Lab Hour.

A course that prepares students in the CPDM program for cooperative education. Topics include: using the PlacePro software system, resume development, interview skills, and cooperative education requirements, policies and procedures.

Prerequisites: None

CPDM 191 Part-Time Cooperative Education 1: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

CPDM 192 Part-Time Cooperative Education 2: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 191

CPDM 193 Part-Time Cooperative Education 3: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 192

CPDM 194 Part-Time Cooperative Education 4: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 193

CPDM 195 Part-Time Cooperative Education 5: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 194

CPDM 196 Part-Time Cooperative Education 6: Computer Programming and Database Management

1 Credit. 1 Lecture Hour. 20 Lab Hours.

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 195

CPDM 198 First Year Special Topics in Computer Programming and Database Management

1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A course on selected topics related to Computer Programming and Database Management, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

CPDM 199 First Year Independent Project in Computer Programming and Database Management

1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A project related to Computer Programming and Database Management that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Computer Programming and Database Management faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

CPDM 210 System Analysis and Design**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on fundamental concepts in system analysis and design, within the framework of the system development life cycle. Topics include: business case analysis, requirement gathering, requirement modeling, enterprise modeling, and development strategies.

Prerequisites: None

CPDM 211 Business Application Development 1: RPGLE/DB2**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

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: IT 102

CPDM 212 Business Application Development 2: RPGLE/DB2**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A continuation of CPDM 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: CPDM 211

CPDM 230 Mobile Application Development**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on designing and programming applications for current mobile devices. Topics include: GUI programming application structure; and considerations related to networks, databases, video, GPS sensors, and multi-touch technology.

Prerequisites: IT 102

CPDM 240 Emerging Technologies: Web and Mobile Applications**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on emerging technologies in software and applications development for the web and mobile devices.

Prerequisites: CPDM 230

CPDM 290 Computer Programming and Database Management Capstone**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

Students work on a team project that demonstrates mastery of skills gained throughout their degree studies. Topics include: developing a project idea, conducting a feasibility study for the idea, gathering and analyzing requirements, and designing and implementing a solution.

Prerequisites: IT 218 or IT 262 or SET 253

CPDM 291 Full-Time Cooperative Education 1: Computer Programming and Database Management**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

CPDM 292 Full-Time Cooperative Education 2: Computer Programming and Database Management**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 291

CPDM 293 Full-Time Cooperative Education 3: Computer Programming and Database Management**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 292

CPDM 294 Internship 1: Computer Programming and Database Management**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 190

CPDM 295 Internship 2: Computer Programming and Database Management**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 294

CPDM 296 Project-Based Learning 1**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time project-based learning experience related to their degree. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: IT 102

CPDM 297 Project-Based Learning 2**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time project-based learning experience related to their degree. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CPDM 296 or CPDM 291

CPDM 298 Second Year Special Topics in Computer Programming and Database Management**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Computer Programming and Database Management, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

CPDM 299 Second Year Independent Project in Computer Programming and Database Management**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Computer Programming and Database Management that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Computer Programming and Database Management faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval