CIST-215 – IT Development Project

Technology

Effective Term & Year: Winter 2028
Course Outline Review Date: 2032-03-01

Program Area: Information Technology

Description:

This is a group project course which will expose students to all aspects of project development. Students work in teams to design, develop, manage, and deliver an IT software application project to an external (real or simulated) client. They will have opportunities to practice project management, documentation, meeting and presentation skills. Students will employ the practical and theoretical concepts obtained during their studies by building an IT system. They will work as part of a development team on an IT problem for an external industry client. The project will include the production and demonstration of the functioning components of the system for each release within deadlines set out in the project management documentation. Students will then present the final product to the client and other stakeholders. As contributors to a computer system development project, students will prepare for and participate in project meetings, prepare project management documentation, adapt project management processes as required, manage progress using project management techniques and manage storage of project documentation.

Program Information:

This course is required for the second year of the Computer Information Systems Technology program.

Delivery Methods: Hybrid – On-campus (Face-to-Face) and Online

Credit Type: College of the Rockies Credits

Credits: 4

Instructional Activity and Hours:

Activity	Hours
Classroom, Directed Studies or Online Instruction	40
Seminar/Tutorials	
Laboratory/Studio	40
Practicum/Field Experience	
Co-op/Work Experience	
Other	
Total	80

Course Requisites:

Prior Learning and Recognition: Yes

Students are able to request formal recognition of their prior learning or experience outside the classroom. Challenge examination, portfolio-assisted assessment, work-based assessment or a combination of assessments that is appropriate to identify, assess, and recognize prior skills, competencies, and knowledge to achieve course credit. Tuition fees apply, refer to Policy 2.5.5 Prior Learning Assessment and Recognition (PLAR) or contact an education advisor for more information.

Course Transfer Credit:

For information about receiving transfer credit for courses taken at either British Columbia or Alberta institutions, please see https://www.bctransferguide.ca/ or https://transferalberta.alberta.ca . For more transfer credit information, please visit https://www.cotr.bc.ca/Transfer

All requests for course transfer credit from institutions in British Columba or elsewhere should go to the College of the Rockies Enrolment Services office.

Textbook Resources:

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

N/A

Please see the instructor’s syllabus or check COTR’s online text calculator

https://textbook.cotr.bc.ca/ for a complete list of the currently required textbooks.

Learning Outcomes:

Upon the successful completion of this course, students will be able to

- work collaboratively as part of a development team to meet the specified requirements of the external client, adhering to project deadlines and quality standards;
- apply practical and theoretical concepts of systems analysis and design for an IT development project for an external client;
- use project management skills and tools to ensure the timely completion of project milestones and releases;
- address unforeseen challenges or changes in project requirements;
- apply problem-solving skills in a real-world project context; and
- demonstrate effective meeting participation and presentation skills, both within the project team and when presenting project progress and the final product to the client.

Course Topics:

- Project Processes in a Team Environment
- Project Requirements for IT Development Project for an External Client
- Test Results for IT Development Project for an External Client
- Design Models and Analysis Models to Changing Requirements for IT Development Project for an External Client
- Additional Software for Expanding Product Functionality for IT Development Project for an External Client
- Unit Test Results for IT Development Project for an External Client
- Software Version Control
- User Manual and Installation Manual for IT Development Project for an External Client
- Plans for an IT Development Project for an External Client

See instructor’s syllabus for the detailed outline of weekly readings, activities and assignments.

Evaluation and Assessments

Assessment Type: On-Campus (face-to-face)

Assessment Type	% of Total Grade
Concept Presentation	15%
Progress Milestones	50%
Project Presentation	25%
Peer review	10%

Total	100%

Grade Scheme

A+	A	A-	B+	B	B-	C+	C	C-	D	F
>=90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	<50

Evaluation Notes: A grade of “D” grants credit, but may not be sufficient as a prerequisite for sequential courses.

Evaluation Notes Comments:

Please see the instructor’s syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments and use of electronic aids.

Exam Attendance:

Students must attend all scheduled exams at the appointed time and place. Instructors may approve an alternate exam to accommodate an illness or personal crisis. Department heads will consider other written requests. Any student who misses a scheduled exam without prior approval will receive a “0” on the exam.

Academic Policies:

College of the Rockies policies related to courses can be found at https://cotr.bc.ca/about-us/college-policies/ and include the following:

- Policy 2.1.4 Course Audit
- Policy 2.4.1 Credential Framework
- Policy 2.4.3 Students with Documented Disabilities
- Policy 2.4.4 Student Rights, Responsibilities and Conduct
- Policy 2.4.8 Academic Performance
- Policy 2.4.9 Student Feedback and Concerns
- Policy 2.4.11 Storage of Academic Works
- Policy 2.5.3 Student Appeal
- Policy 2.5.5 Prior Learning Assessment and Recognition (PLAR)

Course Changes:

The College of the Rockies updates course outlines regularly to meet changing educational, employment and marketing needs. The instructor will notify students in writing of any updates to this outline during the semester. The instructor reserves the right to revise, add or delete material while meeting the learning outcomes of this course outline.