



IT Development Project – CIST 209

Computer Information Systems Technology Program

Course Outline

COURSE IMPLEMENTATION DATE: September 2024
OUTLINE EFFECTIVE DATE: September 2024
COURSE OUTLINE REVIEW DATE: March 2029

GENERAL COURSE DESCRIPTION:

This is a group project course which will expose students to all aspects of project development. Students work in a team of 3 to 6 to design, develop, manage, and deliver an IT software application project to an external (real or simulated) client.

Students will study and employ the practical and theoretical concepts obtained in the first-year systems analysis and design courses by building an IT system. Learners 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 present the final product to the client.

Students will also practice project management, documentation, meeting and presentation skills. As a contributor to a computer system development project, learners 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: This program is delivered hybrid (includes both face-to-face and online components).

COTR Credits: 4

Hours for this course: 80 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	5
Seminars / Tutorials	
Laboratory / Studio Hours	75
Practicum / Field Experience	
Other Contact Hours	
Total	80

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-Job Experience	
Formal Work Experience	
Other	
Total	N/A

Course Outline Author or Contact:

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Signature**APPROVAL SIGNATURES:**

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Department Head Signature

Dean Signature

EDCO

Valid from: September 2024 – March 2029

Education Council Approval Date**COURSE PREREQUISITES AND TRANSFER CREDIT:**

Prerequisites: Successful completion of all of the courses in Term 1, 2 and 3: CIST 101, CIST 102, CIST 103, CIST 104, CIST 105, CIST 106, CIST 107, CIST 108, CIST 109, CIST 201, CIST 202, CIST 203, CIST 204 and CIST 205.

Corequisites: None

Flexible Assessment (FA):

Credit can be awarded for this course through FA Yes No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

Transfer Credit: For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>.

Student should also contact an academic advisor at the institution where they want transfer credit.

Prior Course Number: N/A

Textbooks and Required 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.
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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 ASSESSMENT (Face-to-Face Delivery):

Assignments	% of Total Grade
Concept Presentation Project	15%
Milestone Assignment Project	15%
Presentation Project	20%
Individual Student Work Project	25%
Participation	<u>25%</u>
Total	100%

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 POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

COURSE GRADE:

Course grades are assigned as follows:

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F
Mark (Percent)	≥ 90	89- 85	84- 80	79- 76	75- 72	71- 68	67- 64	63- 60	59- 55	54- 50	< 50

A grade of "D" grants credit but may not be sufficient as a prerequisite for sequential courses.

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

COURSE CHANGES:

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor endeavours to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.