



CSTP 2204: IT Development Project

EFFECTIVE DATE

September 2019

DEPARTMENT

Computer Systems Tech Diploma

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.

CREDITS

5.0

YEAR OF STUDY

2nd Year Post-secondary

PREREQUISITES

CSTP 2101 Database Management and Storage CSTP 2104 Windows Interactive Application Programming

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Adapt project processes in a team environment
- Update project requirements for IT development project for an external client

- Generate acceptance test results for IT development project for an external client
- Adapt design models and analysis models to changing requirements for IT development project for an external client
- Develop additional software for expanding product functionality for IT development project for an external client
- Generate unit test results for IT development project for an external client
- Use software version control
- Revise user manual and installation manual for IT development project for an external client
- Use project management skills to manage an IT development project for an external client
- Use a content management system for documentation
- Create release plans for an IT development project for an external client
- Apply project monitoring techniques for an IT development project for an external client

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 15

Lab: 85

INSTRUCTIONAL STRATEGIES

Instructional strategies include classroom lectures, demonstrations, group discussions, computer lab and hands-on practical work.

GRADING SYSTEM

Letter Grade (A-F)

PASSING GRADE

C

EVALUATION PLAN

Type	Percentage	Assessment activity
Project	15	Project Concept Presentation
Project	15	Project Milestone Assignment
Project	20	Project Presentation
Project	25	Individual Student Project Work

Participation	25	Peer review. Assigned by project manager of the team.
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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

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

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Generated at: 12:24 am on Jun. 17, 2021