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CSTP 2301: Emerging Technologies

EFFECTIVE DATE

September 2019

DEPARTMENT

Computer Systems Tech Diploma

DESCRIPTION

In this course students will study new and emerging technologies, and will examine how these technologies can change existing markets and development environments. Students will gain experience in working with software and/or hardware that can be classified as part of the emerging technology paradigm. This may include cloud computing, machine learning, virtualization technologies, or simulation technologies.

CREDITS

3.0

YEAR OF STUDY

2nd Year Post-secondary

PREREQUISITES

CSTP 2102 Enterprise Systems Support CSTP 2202 Network Server Administration

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Explain the dynamics of emerging technologies
- Identify emerging technologies that are changing the marketplace
- Identify the processes required to implement emerging technologies
- Develop a plan for introducing a new technology in a simulated workplace setting
- Implement the new technology in a simulated workplace setting

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 30

Lab: 30

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
Assignments	20	Lab assignments
Midterm Exam	30	
Project	20	
Final Exam	30	

COURSE TOPICS

- The dynamics of emerging technologies
- Emerging technologies and marketplace
- Implementing emerging technologies
- Implementing the new technology in the simulated workplace setting

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>.

Broadway campus

1155 East Broadway
Vancouver, B.C. Canada
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Downtown campus

250 West Pender Street
Vancouver, B.C. Canada
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Annacis Island campus

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