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CMPT 1050: Smart Home: An introduction to home automation technology

EFFECTIVE DATE

March 2021

DEPARTMENT

Computers - City Centre

DESCRIPTION

In this course, students will learn about the basics of home automation and its uses for a smart home design. Learners will gain an insight into the positive impact of using smart home technology for a greater good. They will also learn about energy consumption of appliances, and security benefits and potential challenges associated with use of smart home devices. By gaining an understanding of home automation technology, learners will feel more confident in their ability to plan for a successful smart home setup.

CREDITS

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YEAR OF STUDY

General Interest

PREREQUISITES

None

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Describe the benefits of home automation
- Discuss the positive impact smart home technology can make on the environment, the community, and their personal lives
- Identify the factors for planning and executing of a smart home design
- Define ENERGY STAR and EnerGuide rating on different appliances
- Track their electricity consumption
- Recognize the security concerns with smart home devices

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 6

INSTRUCTIONAL STRATEGIES

GRADING SYSTEM

Satisfactory/Unsatisfactory

PASSING GRADE

'S' based on minimum 80% attendance

EVALUATION PLAN

None

COURSE TOPICS

- Home automation
 - Smart Home devices
 - Electricity consumption
 - ENERGY STAR and EnerGuide
 - Device security

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

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250 West Pender Street
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Generated at: 3:45 pm on Apr. 11, 2021