**Course Name:** Information Systems for Health Sciences  
**Course Number:** PREH 1100  
**Number of Credits:** 2.5  
**Effective Date:** Sep 6, 2016

### Course Description:
This course is designed to provide students, especially those with limited computer skills, with a basic level of computer literacy required for their success in academic and professional life. The course involves the exploration of common computer terminologies and practical features of Microsoft Office, electronic mail, internet search skills, and reference manager software. In addition, students will explore the basic concepts related to using computer technologies in the health care sector and associated ethical principles. The course will enable students to write academic and professional reports, analyze data, search scientific evidence, organize scientific references, prepare presentations, and explore the basics of electronic health records. This is significant to provide hands-on computer experience for students and facilitate their success in today’s workplace. Students will also be introduced to an online learning platform that will enhance their ability to communicate.

### School or Centre:
Health Sciences  
### Year of Study:
1st Year Post-secondary  
### Course History:
New Course  
### Course Pre-requisites (if applicable):
Admission to the Pre-Health Sciences program  

### Course Co-requisites (if applicable):

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**PLAR (Prior Learning Assessment & Recognition)**

- [X] Yes (details below):

  Challenge exam or other methods of assessment may be possible
Instructional Strategies:

1. Online Lesson using Moodle (lecture)
2. Computer laboratory to follow hands on instructions and provide more practice.
3. Online discussion using Wiki activity on Moodle.

Course Learning Outcomes:

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

1. Explore the common computer concepts using terminologies available in computer references and software manuals;
2. Demonstrate the ability to use Microsoft Products including Word, Excel, PowerPoint, OneNote, and reference manager. This includes knowing the operation of common menu items and exploring available help systems and resources;
3. Create professional-looking and appropriately referenced academic documents, spreadsheets, and presentations expected from students at a college level;
4. Provides a hands-on experience on using the electronic email and Internet search to retrieve scientific data;
5. Introduce the use of computers in health care environment including electronic health records, electronic charting, and pharmacy and laboratory systems.

Program Learning Outcomes:

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

1. Confidently choose a Health Sciences career path appropriate to their interests;
2. Use computers and other technological tools to perform related tasks;
3. Discuss and apply a variety of Math, Biology, and Chemistry concepts as they relate to health care;
4. Interact with others in groups and teams in ways that contribute to effective working relationships and support Interprofessional Collaboration;
5. Communicate clearly and concisely in the written and spoken form in relation to health studies;
6. Utilize problem solving and critical thinking skills that are essential for success in health sciences programs;
7. Acquire depth and breadth of knowledge through the exploration of multiple health sciences courses and an elective course.
Evaluation/Grading System

<table>
<thead>
<tr>
<th>Grading System</th>
<th>Specify if ‘Other’:</th>
<th>Specify Passing Grade:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letter Grades</td>
<td></td>
<td>D</td>
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Components and Weighting of the Assessment/Evaluation Plan:

<table>
<thead>
<tr>
<th>Type</th>
<th>Percentage</th>
<th>Evaluation Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes/Tests</td>
<td>20</td>
<td>3 short Online quizzes during the course.</td>
</tr>
<tr>
<td>Project</td>
<td>35</td>
<td>Project demonstrating the skills learned during the course.</td>
</tr>
<tr>
<td>Final Exam</td>
<td>35</td>
<td>Online exam</td>
</tr>
<tr>
<td>Participation</td>
<td>10</td>
<td>The participation marks will be assigned for Online discussion activities using Wiki activity on Moodle.</td>
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Total 100

Learning Environment/Type

<table>
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<tr>
<th>Instruction Type</th>
<th>Hours Per Instruction Type</th>
<th>Comments</th>
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<tbody>
<tr>
<td>I - Internet/eLearning (Fully Online)</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>B - Lab (Computer, Chemistry...)</td>
<td>6</td>
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Total 48

Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.
Course Topics:

- Common computer terminologies.
- Moodle
- Microsoft Word and word processing
- Excel Spreadsheets and Formulas
- PowerPoint Presentations
- OneNote
- Electronic mail
- Internet Search
- Reference manager applications.
- Electric Health Records

VCC Education and Education Support Policies

There are a number of Education and Education Support policies that govern your educational experience at VCC, please familiarize yourself with them. The policies are located on the VCC web site at:

http://www.vcc.ca/about/governance--policies/policies/

To find out how this course transfers, visit the BC Transfer Guide at www.bctransferguide.ca.

FOR COMMITTEE USE ONLY

<table>
<thead>
<tr>
<th>Approved by Curriculum Committee:</th>
<th>Approved by Education Council:</th>
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<tbody>
<tr>
<td>February 21, 2017</td>
<td>March 14, 2017</td>
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