Introduction

This course provides students with a basic understanding of the principles of healthcare technology planning and management - assessment, budgeting, acquisition, deployment, education/training, patient safety, maintenance, and replacement/disposal. Planning and management will focus on medical devices, clinical information systems, and converged technologies.

Purpose of the Course

To provide the participants with global best practices for health technology planning and management and allow them to gauge their understanding of this topic based on completion of assignments.

General Objectives

Throughout the course, it is expected:

- To give students a basic understanding of the guiding principles of healthcare technology planning and management
- Provide a methodology for improving the quality of medical devices, clinical information systems and converged technology through effective planning and management
- Help students better communicate with technical staff, clinicians, regulators, administrators, and technology vendors.
- Develop the student’s interest, and prepare them for further study and more advanced application of the principles.
Course Structure

<table>
<thead>
<tr>
<th>Week</th>
<th>Course Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><em>Course and Virtual Campus Familiarization</em></td>
</tr>
</tbody>
</table>
| 2    | Healthcare technology planning & management overview  
Medical devices and systems |
| 3    | Healthcare Information Technology  
Convergence of Medical Devices and Information Technology and Cybersecurity |
| 4    | Technology planning and policy  
New Technology Assessment |
| 5    | Technology Replacement Planning  
Net Present Value Analysis |
| 6    | Technology Acquisition and Deployment |
| 7    | *Report 1 & Exam 1* |
| 8    | Compliance with Regulations and Standards  
Patient safety |
| 9    | Training  
Maintenance |
| 10   | Computerized Medical Equipment Management Systems  
Clinical engineering |
| 11   | Global Health Technology |
| 12   | *Report 1 & Exam 1* |

Method

The course will utilize web-based content including text, photos, diagrams, flow charts, other figures, video, audio, links to other websites, and other web attributes to deliver content to students. The discussion forum will provide a high level of interaction between participants. Discussion Questions and Quizzes will take place throughout the course online as will the Exams.

General Calendar

September 23rd through December 13th 2019.
Language and Duration

The course will be offered in English. The duration is 12 weeks. The workload over the 12 weeks is 50-60 hours.

Deadline for Applicant Registration

The deadline has been extended to September 16, 2019.

Requirements and Workload

- Professionals (engineers, medical doctors, managers and other related specialties) that have or are interested in developing duties related to biomedical technologies within the health system or at health institutions.
- It is recommended that the student have completed university level courses in business, technology, engineering or management and have one-year experience in management or administration with responsibility for some aspect of healthcare technology.

Participants Countries

- Anguilla
- Antigua and Barbuda
- Aruba
- Bahamas
- Barbados
- Belize
- Bermuda
- British Virgin Islands
- Canada
- Cayman Islands
- Curacao
- Dominica
- Guadeloupe
- Guyana
- Haiti
- Jamaica
- Martinique
- Montserrat
- Netherlands Antilles
- Pomegranate
- Puerto Rico
- Saint Kitts and Nevis
- St. Lucia
- St. Marteen
- St. Vincent and the Grenadines
- Suriname
- Trinidad and Tobago
- Turks and Caicos Islands
- United States of America
Application and Registration

Follow these steps to complete your online application through the Virtual Campus for Public Health:

1. Create your Campus Account at: https://www.campusvirtualsp.org/en/user/register

2. Once you have created your account, complete the Application form at: https://www.campusvirtualsp.org/en/apply-form

You will need to log in to access the form.

Department of Health Systems and Services (HSS)

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