

### ***Venue***

Lectures & Practical classes: Computer Science Laboratory / Dept. of Com. Sc., Colombo (Nawala) Regional Centre, OUSL

### ***Evaluation***

Achievement gained through this course will be assessed by, Continuous Assessment Tests (CAT) and Final Examinations which may contain both practical and written tests and a Project.

### ***Certification***

The candidates will be awarded a certificate based on their performance after all the evaluations with a minimum competency of 40% (Pass) and 70% (Merit Pass) respectively.

### ***Course Fee***

Course fee for a student will be **Rs. 30,000**.

- ♦ Free course material
- ♦ Free computer laboratory facilities with hands on practical hours
- ♦ Lectures/practical classes will be conducted by university staff and professionals from the industry.

### **For further information,**

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Nugegoda

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# **Short Course in Computer Networks & Security**



**The Open University of Sri Lanka**  
*Excellence, Equity, Efficiency in Open Distance Learning*

**Department of Computer  
Science**

[www.ou.ac.lk](http://www.ou.ac.lk)



## Introduction

The Open University of Sri Lanka (OUSL) was set up for the purpose of providing higher education through Open and Distance Learning methodology and hence offers programmes such as certificates, advanced certificates, diplomas, degrees, postgraduate degrees etc. via the distance mode. This gives the working adults to acquire higher education opportunities.

The Department of Computer Science is one of the six departments belonging to the faculty of Natural Sciences of OUSL, our qualified staff provides support to the certificate programmes conducted by other departments of the university by offering the subjects relevant to us.

In respect of a new focus, Our department conducts certificate programmes that would enhance the knowledge, skills, and positive attitude to the work of employees/students in the government and non-government sectors.

## Short Course in Computer Networks & Security

### *Course Curriculum*

#### **CSC 1201 - Computer Applications**

Working Model of Computer, Basics of computer hardware, Mathematics for General Computing, Assembling a PC, Operating Systems, File Organization in Computer Systems, MSDOS Operating System, Windows XP Operating System, File & Disk Management in Windows, Essential Software provided with Windows Operating System, Installation of Software and Drivers in Windows XP, Windows Operating Systems Installation, Other Operating Systems, Word Processing Applications, Creating Presentations, Working with Databases, Computer Networks, The Internet & Internet Applications, Internet connectivity to Home & Office, World Wide Web, E-mail System & E-mail Clients, Computer Viruses & Prevention Techniques, Basic Troubleshooting on Computers

#### **CSC 1405 - Computer Networks & Security**

Introduction to Computer Networks and Network Topologies, LAN, WAN, MAN, and the Internet, Network Models, Components from Physical Layer to Application Layer, Identifying Networking Equipment and Interfaces, Configuring LAN and WAN, Network Routing / Remote Access, Setting up Windows / Linux Servers and Clients, Configuring Networking Applications: e-mail, FTP, DNS, DHCP, Database, Web, WIKI, and related new technologies, Computer Information and Network Security, Setting up a software firewall, Wireless networking applications, Designing a Secure network with components through a simulator (as a project), Maintenance of Computer Networks, Content Management Systems.

### *For*

- ◆ System Administrators and Network Support Staff
- ◆ Hardware Technicians who want to enhance the knowledge in Computer Networking
- ◆ University Students
- ◆ School Leavers
- ◆ Those who need to become professionals in Computer Networking

### *Duration of the course*

Total duration of the course will be 06 months which includes 80 lecture hours and 60 practical hours, Continuous Assessment Tests, Final Examinations and Final Project.

### *Admission Requirement*

Pass in English Language at G.C.E (Ordinary Level) or an equivalent qualification.

### *Programme Delivery*

Classes/Practicals will be held on Saturdays - from 9.00a.m to 4.00p.m.

### *Medium of Instruction*

- ◆ Lectures - English Medium (Explanations will be done in Sinhala medium too where necessary)
- ◆ Printed course material - English medium.
- ◆ Examinations - English medium.