

# Session 1

Introduction to  
Network II  
Summary

# Teacher

- **Michael Otieno Okumu**  
*Electrical Engineer in Accoustic*
- *Software developer – self employed*
- *IT Teacher at Tech College Aalborg*
- *IT Teacher at Mercantec*
- *Systems administrator at ToolChips -  
Nørresundby, Denmark*
- *Technical teacher in Kenya*

# Core Skills

- Network
- Server technology
- Virtualization
- Software development

# Course Dates from Feb. – Mar.

Day	Date
1	3 <sup>rd</sup> Feb
2	4 <sup>th</sup> Feb
3	10 <sup>th</sup> Feb
4	11 <sup>nd</sup> Feb
5	1 <sup>th</sup> Mar
6	2 <sup>th</sup> Mar
7	3 <sup>st</sup> Mar
8	8 <sup>th</sup> Mar

# Course objectives

- ❑ Acquire advanced knowledge and skills in:
  - ❑ Network Design and Methodology
  - ❑ Advanced Network routing protocol Networking Services
  - ❑ The use of equipment to acquire hands-on experience

# Session Objectives

- Understanding enterprise network architecture
- Understanding network design requirements for an organization

# Session I Summary

(concepts you should understand)

- Cisco Architectures for the Enterprise
- Identifying Design Requirements
- Identifying Customer Requirements
- Characterizing the Existing Network and site
- Designing the Network Topology and Solutions
- Using the Top-Down Approach to Network Design

# Teaching and Evaluation methods

- Two sessions in a day –
  - Presentation
  - Discussions
- Classroom Exercises
- Group work sessions
- Assignment – also the mandatory one
- Student presentation of their work next day