



SHORT COURSE ANNOUNCEMENT

SYSTEMS AND NETWORK SECURITY: BEST PRACTICES

22nd October – 2nd November, 2018

1.0 INTRODUCTION:

Organizations are faced with malicious people (attackers, hackers, intruders) who want to steal businesses' data to carry out identity theft and fraud. Organization secrets are commonly being stolen by internal and external entities for economic espionage purposes. Systems are being hijacked and being used to attack other organizations or to spread spam. Organization funds are being secretly siphoned off through complex and hard-to-identify digital methods. Researches show that, one of the major reason with regard to all these security issues amount to poor selection of security controls and non-strategic deployment of the controls leave alone poorly implemented security controls.

2.0 COURSE OBJECTIVE:

This course is intended to equip participants with the knowledge and understanding on how to strategically select and implement security controls, mechanisms and safeguards for effective enterprise-wide systems and network security program in a holistic manner. Also participant will be enlightened on how to allocate funds and resources strategically to mitigate security risks.

3.0 COURSE CONTENTS:

MODULE 1: Understand the nature of security risks faced, and their probability of occurrence;

- Lesson 1: Characterizing Information Assets: Identify mission critical assets (systems, network segments, and data);
- Lesson 2: Determining likelihood of Security breaches; Perform Risk Assessment and Analysis

MODULE 2: Explore different security approaches and technologies available for safeguarding information Assets;

- Lesson 1: Understand security goals and essential security elements;
- Lesson 2: Security policy vs. Security framework;
- Lesson 3: Defense in depth strategy: Layered approach and integration Approach;
- Lesson 4: Explore different technologies available for information assets;

MODULE 3: Strategic selection of appropriate security controls for effective security program;

- Lesson 1: Understand security control types and their objectives;
- Lesson 2: Designing an effective security program: Mitigation option and approach;

- Lesson 3: Identify appropriate security control for identified security risk and intended security goal;
- Practice: Case study scenario;

MODULE 4: Strategically deployment and implementation of security controls – Industrial best practices;

- Lesson 1: Locate the security control strategically: Entry point vs. Exit point, and at strategic layer;
- Lesson 2: Security control implementation: Best practices;
- Practice: Case study scenario;

MODULE 5: Allocation of funds and resources for security program – with cost-benefit consideration;

- Lesson 1: Assign value on an information asset (system, network, or data);
- Lesson 2: Establish priorities: Know your risk appetite;
- Lesson 3: Budget and allocate fund and resources accordingly;

4.0 TARGET GROUP:

The course is intended for ICT Directors/Managers, Security officers, Risk Managers/officers, Information Systems Analysts, Information Systems Administrators, Network and Database Administrators, Information Systems Auditors, Business Continuity and Disaster Recovery Manager/officers, ICT technicians, Compliance officers, and any other interested parties

5.0 METHODOLOGY

The course will be achieved through lectures, discussions, case studies, and practices/exercises. Participants will receive all course materials, and at the end of the course participants will receive a certificate of completion.

6.0 COURSE FEE:

The fee for the course is **TZS 1,600,000/=** (One million six hundred thousand only) to cover for course materials, tea/coffee, and lunch. It does not include accommodation and transport cost. Payment may be in cash, cheque or bankers draft directly to the **Bank Account No. 014103007130 NBC, Arusha Branch**.

1.0 DATE, DURATION, AND VENUE:

This course will be conducted from **22nd October – 2nd November, 2018** at the Institute of Accountancy Arusha – Njiro Hill.

8.0 FOR MORE DETAILS, YOU MAY CONTACT THE FOLLOWING:

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APPLY TO:

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