

Course Outline

The course will examine all of the crucial issues and steps in IT Audit. Thus, it is divided into several modules. The course also comprises study visits to relevant organizations (in Thailand) and towards the end of the program, participants are required to submit a report on their learning.

Module 1

IT Audit: Information Technology Environment

- IS Audit Standards
- Need for IT Audit
- Role of IT Auditor
- COSO, COBIT, and the Strategic Layer
- Legal Implications

Module 2

IT Audit process

- Audit Plan and Budget
- Risk Assessment
- Design and Audit processes
- Audit Organizations

Module 3

IT Infrastructure and Platform

- Operating Systems: Open Source and Commercial
- Web Server and Web Application
- IT Network and Network Security

Module 4

Tools and Techniques for IT Audit

- Audit Database Management System Audit
- Vulnerabilities and Security of Audit Data Base
- Application Software for Audit
- Resource Management
- Data Analysis
- Web Enablement
- Computer Forensics

Module 5

Managing IT Audit

- Assessing and Evaluating Audit Quality
- Evaluation of IT Auditor and Audit performance
- Challenges in Public and Corporate Sector IT Audit

Module 6

Infrastructure Security and Service Continuity

- Information System Security
- Information Security Controls
- Contingency and Disaster Recovery

Module 7

Field Visit

Participants will visit relevant institutions/organizations in Thailand to have the interactive sessions with the host organizations. The objective is to acquire the first-hand knowledge by exchanging views and observing the current application of IT Audit in the host institutes.