

Fundamentals of IS Audit & Assurance Course

Course Schedule – Topics & Activities

IS Audit & Assurance Overview & Introduction

- How the information systems (IS) audit relates to enterprise governance
- Basic IS audit concepts, functions, & components
- The IS audit process:
 1. Planning
 2. Execution
 3. Reporting
 4. Project closure & follow up

1. Planning

- Audit planning concepts:
 - Risk assessments
 - Project management
 - Scope, time, budget, resources, and depth
 - Audit metrics
 - Risk types
 - Control types
 - IT audit/assurance engagement types
 - Resource management
 - Logistics & scheduling
- Plan a risk-based audit
 - Document IT assurance universe, IT control objectives, & IT architecture
 - Perform a risk assessment
 - Planning considerations
 - Defining audit objective & scope
 - Refine assurance methodology & framework
 - Create the audit program & plan resources
 - Document
- Audit details & activities
 - Creating a planning memo/template
 - Understand inherent risk for process or entity under review
 - Assign roles & responsibilities
 - Design audit programs
 - Establish a communication plan
 - Address logistics
 - Information requests

2. Execution / Field Work

- Audit execution concepts:
 - Policies, procedures, standards, & guidelines
 - Testing types & methods
 - Sampling
 - Access controls, application, & general controls
 - Segregation of duties
 - Work papers
 - Identification, authentication, authorization
 - Supervision
 - Effective communication
 - Negotiation of findings
- Execute a risk-based audit:
 - Understand the environment
 - Control design documentation & analysis
 - Control effectiveness testing
 - Continuous communication
 - Drafting audit issues
 - Agreement of facts
- Execution details & activities
 - Access controls
 - User provisioning process
 - Segregation of duties for key IT processes
 - Change management
 - System Development Life Cycle (SDLC)
 - Data classification & handling

3. Reporting

- Audit reporting concepts:
 - Target audience
 - Executive summary
 - Audit ratings
 - Findings
 - Risk/impact
 - Recommendations
 - Supporting documentation
 - Audit distribution & confidentiality
- Reporting a risk-based audit:
 - Draft findings
 - Rank findings

- Perform a peer review
- Draft an executive summary
- Assign audit ratings
- Obtain departmental approval
- Distribute
- Report details & activities:
 - Reporting template
 - IT gaps in business terms
 - Risk ranking
 - Testing

4. Project Closure & Follow-up

- Lessons learned
- Follow-up activities
- Auditee survey

**Topics and activities may vary by class and instructor.*