

Emerging Technologies & Innovation

An introduction to Cognitive Intelligence, Blockchain, Robotics, and other emerging technologies

Course Schedule – Topics & Activities

Day One

- Innovation - Internal Audit of the future
 - Current state of Risk Management and Internal Audit
 - Future State: Three lines of defense
 - Internal Audit of the Future
 - IA 3.0 blueprint
 - Framework
 - And then building out the various components of the blueprint

- Agile Internal Audit
 - Agile principles / Agile IA Overview
 - Audit canvassing and output
 - Definition of Ready / Done
 - Roles and Responsibilities
 - Story Mapping
 - User Stories
 - Sprint Planning
 - Sizing and Estimation
 - Backlog Refinement
 - Agile Ceremonies
 - POV

Day Two

- Analytics & Automation in the context of IA
 - Why / value
 - Marketplace perspectives
 - Use Cases
 - Strategic considerations
 - People
 - Process
 - Methodology
 - Data Management

- Project identification & ROI
- Presenting observations & Story telling
 - Why we tell stories
 - The Science: Approach to Developing Stories
 - The Art: Developing Data-Driven Content
- Introduction to Tableau
 - Interface tour
 - Importing a data set
 - Developing charts
 - Calculated fields
 - Dashboards and Actions
- Tableau use case

Day Three

- Cloud Computing
 - Cloud 101
 - Cloud Risk Management
 - Cloud Computing Trends
 - Cloud Security
 - Leading Practice
 - Cloud Security Framework
- Cognitive Intelligence/Robotics
 - Technology Fundamentals
 - Why Automate and benefit to IA
 - Use Cases / Demos
 - How do you start
 - Deployment Methodology
 - You built a “bot” – now what?
 - Performance / KPI
 - Governance

Day Four

- Blockchain
 - Bitcoin versus blockchain – What’s the difference?
 - Blockchain use cases
 - Focused studies – What went wrong?
 - Accounting and audit considerations
 - Use cases and risk framework
 - What about the regulators?

- Internet of Things and what to do about it?
 - That thing needs to be audited? Why?
 - Understanding what OT, IoT, and IIoT are
 - Where to find OT, IoT, and IIoT
 - Discussion – where is OT, IoT in your company?
 - Show me the risks
 - People
 - Process
 - Technology
 - Understanding your business' risk
 - Internal Audit considerations
 - Knowledge
 - Governance, Risk Management, Compliance
 - Program, Process, Operational considerations

*Topics and activities may vary by class and instructor.