Course Agenda	Course Content
Introduction to Course	
SOA Concepts	Define SOA
	Describe some of the business drivers for adopting SOA
	Describe some of the factors that drive the need for SOA standards
	Describe SOA concepts and principles that enable business to be flexible and agile
	Explain the concept of a service
	Describe the various layers that are part of the vision of an SOA for IBM
	Describe the business and technical value of adopting SOA
	List the IBM SOA entry points and describe how these support the adoption of SOA
	Describe SOA life cycle and how the SOA Foundation of IBM supports this life cycle
SOA Design Principles	Describe the characteristics of service-oriented architectures
	Describe various design principles that can be applied during service design within SOA
	Explain how SOA relates to traditional IT architecture styles
	Define service-oriented integration (SOI) and explain the role of ESB in enabling SOI
	Explain the principle of loose coupling, which is a characteristic of SOI
	Explain how an ESB supports the loose coupling of service interactions
	Describe how data can be loosely coupled using the IBM Information Server
SOA Standards	Define Web services and describe the core Web service standards
	Explain the relationship of Web services to SOA
	Describe how the Web Services Interoperability Organization (WS-I) supports the development of interoperable Web service solutions
	List key WS* standards and identify their role in developing enterprise scale Web service solutions
	Explain WS-BPEL standard and describe how it supports the modeling and specification of business processes
	Identify various other standards that are used in the SOA life cycle phases
SOA Foundation Products	Explain the SOA life cycle phases: model, assemble, deploy, and manage
	Identify the products in IBM SOA Foundation that support the SOA life cycle phases
	Describe the key capabilities of the products in IBM SOA Foundation
SOA Modelling	Discuss the benefits of modeling in SOA
	Define Rational Unified Process for service-oriented modeling and architecture (RUP for SOMA)
	Describe the key components of UML 2 profile of software services and explain how it supports the development of work products for service-oriented analysis and design
	Explain the role of WebSphere Business Modeler in supporting process modeling, analysis, and optimization
	Explain Domain Decomposition / Goal Service Modelling / Litmus Test
	Appropriate SOA
SOA Assembly and	Describe the need for an SOA programming model

Deployment	
	Define Service Component Architecture (SCA)
	Describe the components of SCA: Service module, mediation modules, service component and mediatio flow component
	Describe the SCA client programming models
	Describe the WebSphere Integration Developer platform architecture
	Explain the role of WebSphere Integration Developer in enabling development and assembly of services based on SCA
	Describe the integration between the development tools
	Illustrate the capabilities of IBM WebSphere deployment platforms that support SCA
	Appropriate SOA
SOA Scenarios	Define IBM SOA scenarios and describe how they relate to SOA entry points
	Explain SOA scenario realizations and explain how they enable you to rapidly design SOA solutions using the IBM SOA Foundation
	Describe solution patterns for the service creation scenario and identify products from the IBM SOA Foundation that can be used to realize these solution patterns
	Describe solution patterns for the service connectivity scenario and identify products from the IBM SOA Foundation that can be used to realize these solution patterns
	Describe one solution pattern for the BPM scenario and identify products from the IBM SOA Foundation that can be used to realize this solution pattern
	SOA Sandbox : People Scenario
	SOA Sandbox : Process Scenario
	SOA Sandbox : Connectivity Scenario - not available - see Green scenario
	SOA Sandbox : Information Scenario
SOA Governance	Define SOA governance
	Describe the need for SOA governance
	Describe the support for governance in the IBM SOA Foundation
	List the phases in the IBM SOA governance life cycle
	Identify the offerings of IBM in the SOA governance life cycle
	Describe the Rational Unified Process (RUP) methodology
	Explain the role of the WebSphere Service Registry and Repository in supporting SOA governance
	Appropriate SOA
	Appropriate SOA
	Appropriate SOA
Security and Management	Describe the management challenges in SOA environment
	Describe capabilities required to address these management challenges
	Identify IBM offerings that provide such capabilities
	Describe the security challenges in SOA environment
	Describe the IBM security life cycle
	Identify the key IBM offerings for delivering the security capabilities required within SOA