

Course Code	Course Description	Duration (in days)	per student cost	Status	Requires Cloud
<a href="#">WA1005 UML</a>	Applies object-oriented principles to all phases of the software development life cycle, with emphasis on analysis & design. Students will participate in case studies and short exercises. UML is used as the common language in all examples and exercises.	3	100	Active	
<a href="#">WA1035 Fundamentals of XML</a>	Teaches fundamentals to use XML on the Web/data processing apps. Hands-on labs teach the essentials of data interoperability using XML, writing well-formed XML docs, document validity, use XSLT and stylesheets, an intro to XML APIs.	3	100	Active	
<a href="#">WA1047 XML Boot Camp for Programmers</a>	Learn the basics of XML form and syntax, use Java to implement XML Web apps, learn how to use XML to pass data between distributed Java apps. Emphasis is placed on writing well-formed, valid XML, parsing techniques and converting Legacy data with XML.	3	100	Active	
<a href="#">WA1057 Object-Oriented Analysis and Design with UML and Java</a>	Use object-oriented techniques from requirements gathering to implementation. Analyze & design a model of the business requirements, use cases and class relationships, sequence and state diagramming to capture the dynamic behavior of the system.	5	175	Active	
<a href="#">WA1136 Object Oriented Analysis and Design with UML and RUP</a>	Learn how to use object-oriented techniques from requirements gathering to implementation. Analyze & design classes, diagram notation for use cases and class relationships, sequence & state diagramming to capture the dynamic behavior of the system.	5	175	Active	
<a href="#">WA1253 Java Programming Language</a>	Teaches the syntax of Java programming; OO; creating GUI, exceptions, file input/output, threads and networking.	5	150	Active	
<a href="#">WA1278 Introduction to Java Using Eclipse</a>	Intro to Java programming, how to develop Java apps w/ Eclipse, syntax, object-oriented programming using Java, exception handling, generics, collections, and file input/output, develop and test Java applications using Eclipse.	5	150	Active	
<a href="#">WA1280 Architecting and Designing Java EE Applications</a>	This course provides the students with the prerequisite knowledge necessary to use J2EE in order to architect robust and maintainable enterprise applications.	4	175	Active	
<a href="#">WA1281 Introduction to Web Services</a>	Learn how to benefit from Web Services, SOAP, WSDL, UDDI, JAX/RPC and WSIF. Learn to develop the required WS components (both server and client side). An overview of SOA (Service Oriented Architecture) will be provided.	1	40	Active	

<a href="#">WA1323 Comprehensive XML</a>	Use XML on Web/in data processing apps, data interoperability, XML docs, document validity, XSLT & stylesheets, Java to implement XML web app, pass data between distributed Java apps, write well-formed/valid XML, parsing techniques, convert Legacy data	5	200	Active	
<a href="#">WA1325 Introduction to OO Analysis and Design</a>	Learn how to use object-oriented techniques from requirements gathering to implementation. Students learn how to analyze and design classes and their relationships to each other in order to build a model of the business requirements	2	80	Active	
<a href="#">WA1362 Service Oriented Architecture (SOA) Immersion Bootcamp</a>	Learn to build a SOA application from the ground up-the full lifecycle of a SOA project using IBM Integration Designer 8.0 to build, test and run SOA applications. (BEA WebLogic or Microsoft .NET can be used instead)	5	300	Active	x
<a href="#">WA1369 Service Oriented Analysis and Design</a>	Intro to SOA, Service Oriented Analysis and Design. Capture requirements, business processes are modeled and services are identified, service orientation as a checklist against which you can validate your own design.	1	60	Active	
<a href="#">WA1395 Testing SOA Applications</a>	Intro to testing Service Oriented Architecture (SOA) based applications. SOA fundamentals & testing SOA apps., popular SOA testing tools, features of a tool selected by customer) w/ hands-on exercises	1	60	Active	
<a href="#">WA1405 Introduction to SOA</a>	Intro to Service Oriented Architecture, key issues-integration among disparate systems, related technologies (ESB/SOA, SOA patterns, case studies to better visualize the role of SOA.	1	60	Active	
<a href="#">WA1413 Java for Managers</a>	Intro to Java & different types of Java apps present in today's IT landscape for those in management positions. syntax, OO, server side programming including wervlets/JSP/Struts/JavaServer Faces/J2EE frameworks/ Intro to SOA	1	40	Active	
<a href="#">WA1449 Advanced Java using Eclipse</a>	This course teaches how to develop advanced Java applications using Eclipse. The advanced features of Java that developers may be using in many different types of programs are covered.	5	150	Active	
<a href="#">WA1470 Service Oriented Architecture (SOA) for Managers</a>	Helps IT managers understand what SOA is and how it can aid application integration. Covers typical development lifecycle and various roles people play in the process. The course will help the managers build a vision for future development activities.	3	195	Active	
<a href="#">WA1471 Service Oriented Architecture (SOA) for Architects IBM Edition</a>	Deep coverage of architectural aspects of SOA, SOAD to teach capturing requirements, business processes modeling and services are identified, information management, transaction handling, messaging architecture, testing services, and securing them.	5	325	Active	x

<a href="#">WA1477 Mastering Service Oriented Analysis and Design</a>	SOA requires a new methodology for analysis and design. This class is designed for the Business Analysts (BA). The course contains comprehensive coverage of the theory of analysis and design for SOA applications.	4	240	Active
<a href="#">WA1503 Comprehensive AJAX</a>	AJAX and all of its foundational technologies. XHTML and CSS2 in detail, HTML Document Object Model, manipulate a page dynamically in the client side using JavaScript, AJAX API, build AJAX based framework	5	200	Active
<a href="#">WA1508 Implementing SOA Governance</a>	Build a foundation by covering IT governance & SOA governance. Practical knowledge of how to actually implement IT and SOA governance in an organization.	3	195	Active
<a href="#">WA1516 Business Process Modeling for SOA</a>	Theoretical aspects of process modeling, modeling business processes, modeling effort as a project, critical success factors, document, understand, analyze & improve business processes, Uses Eclipse SOA Tools Platform & WebSphere Business Modeler.	2	120	Active
<a href="#">WA1520 Service Oriented Architecture (SOA) for z/OS</a>	Overview of SOA, the SOA reference architecture, and demonstrates how the existing and new z/OS applications can support the SOA framework, new development tools & z/OS facilities for SOA-enabling z/OS applications and data access, CICS, IMS and DB2	2	120	Active
<a href="#">WA1536 Service Oriented Architecture (SOA) Immersion Bootcamp for .NET</a>	Build a SOA application from ground up, the full lifecycle of a SOA project - requirements gathering, design, implementation and testing, labs using BizTalk (or WebLogic/WebSphere) to build, test and run SOA applications.	5	300	Active
<a href="#">WA1537 Introduction to Enterprise Architecture</a>	A comprehensive intro to the discipline & methodology of Enterprise Architecture with its value proposition, how to apply EA in practice, the various roles & responsibilities in effective EA adoption w/ a step-by-step how to develop EA process.	2	150	Active
<a href="#">WA1549 SOA Best Practices for Business</a>	Tailored to the business side of SOA this offers practical knowledge for the right & wrong way to adopt SOA , how to implement SOA right the first time. Experienced SOA teams will gain insight into advanced concepts and strategies.	2	120	Active
<a href="#">WA1550 Servlets &amp; JSP Development with Rational Application Developer (RAD) v7.0</a>	Learn to develop and test server-side applications on J2EE, component model using the IBM software platform of products & tools, develop & test server-side apps, use servlets and JSPs for the control and flow of e-business applications.	5	250	Active
<a href="#">WA1556 Introduction to Java and Java Enterprise Using Rational Application Developer v7.0</a>	How to develop Java apps w RAD v7.0, syntax, OO using Java, exception handling, file input/output (I/O), servlets and JavaServer Pages. During the course, students will develop and test Java applications using RAD v7.0.	5	200	Active
<a href="#">WA1557 EJB Programming with Rational Application Developer (RAD) v7.0</a>	Intro to EJB technology, concepts, advanced concepts for use in real life to complete large-scale EJB based projects. Bbased on IBM RAD v7.0, emphasizing the new features of the EJB 2.1 specification.	5	250	Active

<a href="#">WA1558 J2EE Programming Using Rational Application Developer (RAD) v7.0</a>	This 5 day training course teaches students how to develop Servlet, JSP and EJB for the WebSphere Application Server v6 platform. About 50% of the time is spent on hands on labs that use the Rational Developer Studio (RAD) v7 development tool.	5	250	Active	
<a href="#">WA1560 Advanced SOA Bootcamp</a>	Best practices, design patterns, and recommendations tailored to the technical side of SOA. Practical knowledge for the right & wrong way to adopt SOA, how to implement SOA right the first time & gain insight into advanced concepts and strategies.	3	180	Active	
<a href="#">WA1561 WebSphere Application Server 6.1 (Network Deployment Edition) Administration</a>	This course teaches the basics of the administration and deployment of web applications in the IBM WebSphere Application Server v6.1 Network Deployment environment.	5	250	Active	
<a href="#">WA1564 SOA Foundation Workshop</a>	Provides a solid foundational understanding of both business and technology elements of SOA. Concepts in this workshop are re-enforced through a combination of group discussion, class exercises, case study explorations, and daily reviews.	3	195	Active	
<a href="#">WA1565 Securing the Service Oriented Enterprise</a>	Identify, define, diagnose, & implement a comprehensive security strategy for a SOA initiative. A broad range of enterprise SOA security subjects, for a solid foundational understanding of approaches to designing and implementing SOA security.	1	60	Active	
<a href="#">WA1571 Service Oriented Architecture for Architects (Oracle Edition)</a>	Deep dive in various architectural aspects of SOA, SOAD, capture requirements, business processes modeling, information management, transaction handling, messaging architecture, testing services, and securing them.	5	325	Active	x
<a href="#">WA1576 WebSphere Application Server 6.1 Administration on Linux</a>	This course teaches the basics of the administration and deployment of web applications in the IBM WebSphere Application Server v6.1 Network Deployment environment. The labs for the course use a Linux environment.	5	250	Active	
<a href="#">WA1583 SOA for Architects BizTalk Edition</a>	Deep dive in SOA, SOAD, requirements capture, business processes modeling, information management, transaction handling, messaging architecture, testing services, and securing them.	5	325	Active	
<a href="#">WA1587 Introduction to Java Using Rational Application Developer v7.0</a>	How to develop Java applications using RAD v7, syntax, OO using Java, exception handling, generics, collections, and file input/output. During the course, students will develop and test Java applications using RAD v7.0.	5	150	Active	
<a href="#">WA1605 SOA Data Modeling</a>	Teaches data modelers the next generation methodology for EA Integration, Data modeling, extend your existing RDBMS modeling knowledge to the SOA world.	3	180	Active	
<a href="#">WA1608 Enterprise Architecture for Managers</a>	A working knowledge of the scope of EA, a basic understanding for some of the popular frameworks (Zachman, TOGAF, DoDAF, EABOK), the implications of EA and how to best support the adoption of EA through changes to people, processes, and technology.	2	150	Active	
<a href="#">WA1624 Mastering XML for SOA and Web Services</a>	Use XML in data-driven apps in SOA/Web Services, data interoperability, write well-formed XML docs, enforce document validity, use XSLT/stylesheets, XML programming options, best practices for syntax & structure over time, relationship to Web Services	3	40	Active	

<a href="#">WA1648 EJB 3.0 Programming Using RAD 7.5</a>	Intro to EJB 3 technology through advanced concepts that can be used in real life to complete large scale EJB based projects. The labs are done using RAD 7.5 and WebSphere 7.0 runtime.	5	250	Active	
<a href="#">WA1649 Java EE 5 Programming Using BEA WebLogic 10.0</a>	This 5 day training course teaches students how to develop Servlet, JSP and EJB for the WebLogic Server v10 platform. About 50% of the time is spent on hands on labs that use the Workshop for WebLogic development tool.	5	250	Active	x
<a href="#">WA1657 Application Modernization and SOA Concepts Training and Courseware</a>	Techniques & strategies for modernizing legacy systems-SOA, BPM, Web services, MOM, Web 2.0-risks, opportunities, & challenges when modernizing legacy assets, skills modernization, education strategies.	2	125	Active	
<a href="#">WA1670 SOA Testing Workshop with soapUI</a>	Intro to SOA, new testing challenges, popular SOA testing tools in the market and demonstrates features of one such tool (selected by customer) and provides hands-on exercises to re-enforce learning.	2	125	Active	
<a href="#">WA1694 JBoss Application Server 5.1 Administration and Clustering (Windows)</a>	Best-practice solutions to common problems, admin, Configuring a cluster, effectively manage JBoss configurations with Ant/Eclipse. use XML tools to validate JBoss configuration files, tips to make administering complex JBoss environments easier	5	250	Active	
<a href="#">WA1700 WebSphere Application Server 7.0 Administration on Windows</a>	Basics of admin & deployment of enterprise apps, all topics required to administer a production WebSphere environment- troubleshooting, security, databases, messaging, performance, scripting, web services, and clustering.	5	250	Active	
<a href="#">WA1701 Java EE 5 Programming with JSF, EJB 3.0 and JPA Using Rational Application Developer 7.5</a>	How to develop Java EE 5 applications using RAD 7.5 for WAS. The newest technologies of the Java EE 5 platform, including JSF 1.2, EJB 3.0, and JPA. A brief intro to JAX-WS web services is also covered.	5	250	Active	
<a href="#">WA1702 Programming JAX-WS Web Services Using Rational Application Developer RAD 7.5</a>	Develop Web Service apps for WAS v7.0 platform, XML schema, WSDL, SOAP, JAX-WS, JAXB, WS-Security, WS-Addressing, WS-ReliableMessaging and WS-Trust, labs are done using RAD v7.5.	5	250	Active	
<a href="#">WA1703 Servlet &amp; JSP Development Using Rational Application Developer 7.5</a>	Develop/test server-side apps based on Java EE component model using the IBM software platform of products and tools. Develop and test server-side applications that use servlets and JSPs for the control and flow of e-business applications.	5	200	Active	
<a href="#">WA1713 Java EE Design Patterns</a>	Each pattern outlines the problem it is meant to solve and how to implement the pattern. Up-to-date for Java EE; for pattern implementation, we cover Servlet, JSF and Struts wherever appropriate.	5	200	Active	

<a href="#">WA1718 Java EE 5 Programming with JSF, EJB 3.0, and JPA using JBoss 5.1</a>	How to develop Java EE 5 applications w Eclipse. This course covers some of the newest technologies of the Java EE 5 platform, including JSF 1.2, EJB 3.0, and JPA. A brief intro to JAX-WS web services is also covered.	5	200	Active	
<a href="#">WA1719 Programming JAX-WS Web Services with Eclipse on JBoss 5.1</a>	Build and perfect web service development, WSDL, XML schema, JAXB, programming a JAX-WS 2.1 web service, WS-I, WS-Reliable Messaging, WS-Addressing, Apache CXF JBoss web service stack for better "future proof" for future JBoss versions.	5	225	Active	
<a href="#">WA1720 EJB 3.0 Programming Using JBoss 5</a>	Intro to EJB 3.0 to advanced concepts for real life to complete large scale EJB based projects. labs use Eclipse WTP and JBoss 5.0 runtime. Applies to a JBoss 5.0 or 5.1 environment.	5	200	Active	
<a href="#">WA1721 Oracle WebLogic Server 10g R3 Administration</a>	This course teaches the basics of the administration and deployment of Web applications in Oracle WebLogic 10g R3.	5	225	Active	x
<a href="#">WA1723 Cloud Primer</a>		1	65	Active	
<a href="#">WA1733 Introduction to Java Using Rational Application Developer v7.5</a>	Intro to Java & how to develop Java applications using RAD v7.5-syntax of the Java programming language, OO programming using Java, exception handling, generics, collections, and I/O.	5	175	Active	
<a href="#">WA1735 Java Persistence (JPA) Programming using Rational Application Developer 7.5</a>	Learn the standard persistence architecture provided by JPA, replace third party persistence frameworks (Hibernate), create apps that are more portable between environments and rely less on integration of third party libraries.	3	120	Active	
<a href="#">WA1738 Java EE 5 Programming with Servlets and JSPs</a>	Develop & test server-side web apps based on Java EE component model using Eclipse tools. Develop and test server-side applications that use Servlets and JavaServer Pages (JSPs) for the control and flow of e-business applications.	5	200	Active	
<a href="#">WA1746 Developing JSF Web Applications with Spring and Hibernate</a>	Program JSF Web Apps, use the Spring Framework & the Hibernate Object/Relational Mapping (ORM) framework to implement the persistence layer of J2EE apps to develop flexible, testable and maintainable Java EE web appls- individually and together.	5	250	Active	



<a href="#">WA1755 Introduction to Java and Java Enterprise Using Eclipse</a>	Develop Java applications using eclipse and JBoss. Learn the syntax , OO programming using Java, exception handling, I/O, servlets, JSPs. During the course, students will develop and test Java applications using eclipse with JBoss.	5	200	Active	
<a href="#">WA1767 WebSphere Application Server 7.0 Overview for Managers</a>	This course provides an overview of IBM WebSphere Application Server v7.0 and is intended for managers with teams working on different areas of WebSphere Application Server. This course clears the air on the application server's functionality and its different features. Having understood the key features of the product and its capabilities, participants will be better able to allocate resources in this area.	1	60	Active	
<a href="#">WA1779 Java EE Design Patterns Using IBM WebSphere and RAD 7.5</a>	Outline the problem each pattern is meant to solve and how to implement the pattern. Updated for Java EE. For pattern implementation, we cover Servlet, JSF and Struts wherever appropriate.	5	225	Active	
<a href="#">WA1787 Designing and Developing Higher Performance Web Services</a>	Students will be introduced to the theory, best practices, and strategies associated with Web service performance. Concepts in this workshop are re-enforced through a combination of group discussion and hands-on exercises lab exercises.	2	90	Active	
<a href="#">WA1791 Web Services Security</a>	Focuses on the security aspects of Web Service development & how to solve them through open standards. Topics like authentication, authorization, encryption and non-repudiation, single sign on and trust based authentication are also covered.	2	90	Active	
<a href="#">WA1796 Introduction to Java and Java Enterprise Using Rational Application Developer v7.5</a>	Learn the syntax of the Java programming language, OO programming using Java, exception handling, file input/output, servlets & JSPs. During the course, students will develop and test Java applications using RAD v7.5.	5	175	Active	
<a href="#">WA1802 Architecting SOA Using Enterprise Service Bus (ESB) IBM Edition</a>	How to construct architecture for application and business integration using the ESB patterns-service composition, security, transaction management and messaging,  Various ESB patterns with implementation-WebSphere Enterprise Service Bus & WID	4	250	Active	x
<a href="#">WA1825 An Overview of Object Oriented Development</a>	The concept of OO in simple, clear terms without the hype; a sensible evaluation of all the OO methods, pros &* cons of OO development, blends the concepts of OO with Information Engineering and Structured Analysis & Design.	1	40	Active	
<a href="#">WA1826 Designing Cloud Computing Solutions using OpenStack</a>	Cloud Computing requires a degree of cognitive shift on the part of technologists working on designing solutions for the Cloud. This two day class provides students with a frame of reference of needed concepts, means and techniques that will enable them to make informed decisions when designing solutions for the Cloud. This hands-on workshop includes 9 labs, 4 of which use OpenStack to illustrate the main aspects of the IaaS platform.	2	130	Active	
<a href="#">WA1828 JBoss Application Server 5.1 Administration and Clustering (Linux)</a>	deployment & admin of web apps to a JBoss App Server 5.x environment. Best-practice for common problems for admin, Configuring a cluster of multiple JBoss servers, JBoss Application Server, JBoss/RedHat, JBoss Enterprise Application Platform	5	200	Active	

<a href="#">WA1839 Oracle WebLogic Server 11g Administration</a>	This course teaches the basics of the administration and deployment of Web applications in Oracle WebLogic 11g.	5	300	Active	x
<a href="#">WA1840 WebSphere Application Server 7.0 Administration on Linux</a>	Learn the basics of the admin & deployment of enterprise applications in the WAS Deployment environment, including troubleshooting, security, databases, messaging, performance, scripting, web services, and clustering.	5	250	Active	
<a href="#">WA1841 Introduction to Developing OO Applications with Java for Procedural Programmers using RAD 7.5</a>	Current trends, tools, & techniques to support developing Java applications. object technology concepts, fundamentals of Java, write & organize classes to create a simple, but usable application, uses UML	5	250	Active	
<a href="#">WA1844 WebSphere Process Server 7.0 Programming Using WebSphere Integration Developer</a>	build integration solutions using WID & WPS. SOA basics & applications. SCA programming model, SDO data model, adapters when integrating disparate back ends and learn about the WID tooling in detail	5	325	Active	x
<a href="#">WA1845 EJB 3.0 Programming with Oracle WebLogic Server 11g</a>	Intro to EJB 3 to advanced concepts that can be used in real life to complete large scale EJB based projects. The labs are done using Eclipse and WebLogic 11g runtime.	5	225	Active	x
<a href="#">WA1848 Java EE Programming with Spring 3 Using SpringSource Tool Suite</a>	use Spring with recent Java EE technologies to make programming easier, also uses standard technologies to ease deployment to various platforms. An intro to the various technologies in addition to Spring to be immediately be effective developers.	5	250	Active	
<a href="#">WA1850 Core Spring 3 on JBoss Using SpringSource Tool Suite</a>	use Spring & SpringSource Tool Suite to develop flexible/testable/maintainable Java EE enterprise apps; Spring Dependency Injection, using Spring w database frameworks (Hibernate), web frameworks (Spring MVC), integrations w JMS & web services	5	250	Active	
<a href="#">WA1853 WebSphere Process Server v7.0 Administration</a>	Administration & deployment of business processes and service-based applications in Process Server. install, configure, and manage apps and troubleshoot common problems.	3	325	Active	x
<a href="#">WA1876 Servlet and JSP Programming with Tomcat 6 Using Eclipse</a>	develop & test server-side web apps on the Java EE component model using Eclipse tools. Develop and test server-side applications that use Servlets & JSPs for the control and flow of e-business apps	5	160	Active	
<a href="#">WA1884 Introduction to Java using Oracle JDeveloper 11g</a>	Intro to Java, how to develop Java apps using Oracle 11g, syntax of Java, OO programming, exception handling, generics, collections, file input/output, develop and test Java applications using Oracle 11g.	5	175	Active	
<a href="#">WA1901 J2EE Application Development with Spring and Hibernate Using RAD 7.0</a>	use Spring & Hibernate Object/Relational Mapping (ORM) framework to implement the persistence layer of J2EE apps to develop flexible, testable & maintainable Java EE enterprise applications. The labs are done using RAD 7.0.	5	200	Active	
<a href="#">WA1909 Core Spring 3 on SpringSource tc Server Using SpringSource Tool Suite</a>	Spring & SpringSource Tool Suite for flexible, testable, maintainable Java EE enterprise apps. Spring Dependency Injection, Spring w database frameworks (Hibernate), with web frameworks (Spring MVC), various Spring integrations w JMS & web services	5	250	Active	



<a href="#">WA1916 WebSphere Enterprise Service Bus (ESB) 7.0 Programming Using WebSphere Integration Developer</a>	WID to create ESB apps & deploy to ESB, SCA prog model, business objects, service interfaces, business object maps, static relationships, mediation modules, flows & primitives. Integration, JMS, MQ providers, disparate systems wadapters, WID tooling	5	325	Active	
<a href="#">WA1920 Enterprise iPhone and iPad Programming using iOS 7</a>	App development for iOS, foundation in Objective-C, application user interface development, network access, SQL database, multimedia, graphics programming. build robust, high performing & compelling applications for iPhone and iPad.	5	325	Active	x
<a href="#">WA1921 Programming for Android</a>	architecture, API and techniques to create robust, high performance and appealing applications for the Android devices. deals with the server side architecture for enterprise class businesses to build robust & high performance apps for the enterprises	5	325	Active	
<a href="#">WA1925 Enterprise Web Development using HTML5</a>	HTML5, rich typography, native audio & video, powerful drawing and image manipulation API – for experienced HTML developers who are already familiar with web site development.	2	80	Active	
<a href="#">WA1929 Cloud Essentials for Architects using OpenStack</a>	Cloud Computing is gaining increasing attention within enterprises of all shapes and sizes, but few technologists actually know how to properly scope, design, and construct Cloud solutions. Taking standard software applications, databases, and user interfaces and deploying them in a Cloud environment is a recipe for disaster. Proper scoping, usage modeling, and careful design are all essential to success in the Cloud.	2	130	Active	
<a href="#">WA1935 Mastering jQuery</a>	This course teaches a developer all aspects of jQuery based application development. The class is not specific to any vendor's platform and it equally applies to Java, .NET, PHP etc. All labs are done using plain web server and editor.	2	130	Active	
<a href="#">WA1937 WebSphere Portal 7.0 Programming</a>	Portal development using JSR 286 API, with significant improvements. The class also covers JavaServer Faces based portal site development using RAD v8.0. overview of AJAX and how it may be used in a WebSphere Portal web site.	5	325	Active	x
<a href="#">WA1938 JavaServer Faces (JSF) Web Application Programming using WebLogic Server 11g and JDeveloper</a>	Intro to JSF architecture, basis for planning, developing, and deploying Web based applications using the JSF framework, quickly construct dynamic server-side web applications using JSF. Labs are done using JDeveloper development tools.	5	250	Active	x
<a href="#">WA1958 Mobile Software Design Patterns and Architecture</a>	This course teaches students how to come up with a single vision of a mobile strategy and then implement it in Android and iOS. This course requires an Android development training course or iOS development training course as a pre-req.	3	200	Active	
<a href="#">WA1962 Java EE Programming with Spring 3 Using Eclipse and WebSphere</a>	How more recent technologies can make Java EE application programming easier while also relying on standard technologies to ease deployment to various platforms. An intro to the various technologies in addition to Spring .	5	250	Active	
<a href="#">WA1965 Introduction to Programming for Android</a>	The main focus of this Android Programming course is to teach students how to develop the GUI for an Android based application. This Android Programming course is ideal for Java developers to get a quick entry into the Android platform.	2	130	Active	
<a href="#">WA1966 Advanced Programming for Android</a>	Advanced programming topics for the Android platform. Students will learn to use database and network in their programs. This Android Programming course is ideal for developers who want to take their Android skills to the next level.	3	195	Active	

<a href="#">WA1967 Android for Business Users</a>	This course is meant for IT managers and product managers who need to understand the fundamentals of the Android platform.	1	65	Active	
<a href="#">WA1973 IBM Business Process Manager 8.0 Programming Using Integration Designer</a>	How to build integration solutions using IID for deployment into Business Process Manager 8.0 Advanced edition-SOA basics, SCA programming model, SDO data model, the role of adapters when integrating disparate back ends, IID tooling	5	325	Active	x
<a href="#">WA1974 Modeling Business Process Using IBM Process Designer 8.0</a>	How to model & optimize business processes using IBM Process Designer (formerly WebSphere Lombardi edition), the theory of BPMN, capture the description of a business process in a use case and then convert that into a model.	3	195	Active	x
<a href="#">WA1976 WebSphere Application Server 7.0 Administration Fundamentals</a>	Fundamentals of WebSphere admin tailored for support staff and application developers that are likely not directly involved with managing clustered WebSphere environments.	5	150	Active	
<a href="#">WA1981 Spring 3 Migration and New Features</a>	This course focuses on the newer features of Spring 3.0 and is appropriate for developers with experience on prior versions of the Spring Framework-Java annotations, web frameworks (Spring MVC), Spring Web Flow, Spring REST services, JSF, JPA	3	180	Active	
<a href="#">WA1983 Web Application Programming with Java EE 6 - WebLogic 12c / Eclipse</a>	This web programming training class will show participants how to easily create quality Java web applications using all of the features of JSF, Servlet/JSP, EJB, JPA, CDI	5	250	Active	x
<a href="#">WA1998 Introduction to iOS Platform for Business Users</a>	This course is meant for IT managers and product managers who need to understand the fundamentals of the iPhone platform.	1	65	Active	x
<a href="#">WA2002 Mastering JAX-RS REST Web Services and AJAX Clients - WebSphere 8.0 / RAD 8.0</a>	This course covers the design principles of REST architecture along with the details of how to implement these services with JAX-RS: RESTful services, AJAX, annotations.	4	200	Active	
<a href="#">WA2004 Programming Java SOAP and REST Web Services - WebLogic 12c - Eclipse</a>	This course covers how to implement web services with WebLogic 12c using the most recent Java standards, JAX-WS for SOAP web services and JAX-RS for REST web services. Since it is possible to use both styles of web services, even within the same application, this course will show the student the strengths of both styles and how to properly implement both types of web services. Testing web services is also more difficult than "normal" web applications so this course covers tools and techniques used to test web services in the labs.	5	300	Active	
<a href="#">WA2012 Programming Java SOAP and REST Web Services - JBoss / Eclipse</a>	How to implement web services with WebLogic 12c JAX-WS for SOAP web services and JAX-RS for REST web services-the strengths of both styles/how to properly implement both types of web services-Testing web services	5	250	Active	x
<a href="#">WA2014 Core Spring 3 Using Eclipse and WebSphere</a>	Use Spring & SpringSource Tool Suite -Spring Dependency Injection, using Spring with database frameworks like Hibernate, using Spring with various web frameworks like Spring MVC, and various Spring integrations with JMS and web services.	5	250	Active	

<a href="#">WA2015 Overview of Java Technology Landscape</a>	Intro to Java w the different types of Java applications present in today's IT landscape. Know the recent changes to make appropriate strategic decisions in the planning of migrations of existing applications or development of new applications.	1	40	Active	
<a href="#">WA2018 Programming REST Web Services with JAX-RS 1.1 - WebLogic 12c / Eclipse</a>	The design principles of REST architecture along with the details of how to implement these services with JAX-RS. SOAP, XML, RESTful data transmission, RPC emphasizing the importance of defining and retrieving representations of resources.	2	100	Active	x
<a href="#">WA2020 WebSphere Application Server 8.0 Administration on Linux</a>	The administration & deployment of enterprise applications in theWAS Network Deployment environment. Including troubleshooting, security, databases, messaging, performance, scripting, web services, and clustering.	5	300	Active	
<a href="#">WA2028 Mastering JAX-RS REST Web Services and AJAX Clients - WebLogic 12c / Eclipse</a>	Design principles of REST architecture, JAX-RS, RESTfull, AJAX clients of RESTful services sending various data formats, annotations, Java EE 'Application Server', Web 2.0	4	200	Active	x
<a href="#">WA2031 WebSphere Application Server 8.0 Administration on Windows</a>	Administration and deployment of enterprise applications in theWAS 8.0 Network Deployment environment to administer a production WebSphere environment, troubleshooting, security, databases, messaging, performance, scripting, web services, clustering	5	300	Active	
<a href="#">WA2056 Building HTML5 Based Mobile Web Sites</a>	This course teaches how to use the new features of HTML5 in a mobile platform	2	130	Active	
<a href="#">WA2063 WebSphere Application Server 8.0 Administration for Developers</a>	Fundamentals of WebSphere administration for support staff and application developers that are likely not directly involved with managing clustered WebSphere environments.	3	180	Active	
<a href="#">WA2064 Web Application Programming with Java EE 6 - WebSphere 8.5 / Eclipse</a>	Easily create quality Java web apps using all of the features of JSF, Servlet/JSP, EJB, JPA, CDI specification for dependency injection.	5	250	Active	
<a href="#">WA2066 Java EE 6 Programming - WebSphere 8.0 / RAD 8.0</a>	Intro to the various technologies included in the Java EE 6 platform. JSF, EJB, JPA, CDI, JAX-WS and JAX-RS.	5	250	Active	
<a href="#">WA2067 EJB and JPA Programming with Java EE 6 - WebSphere 8.5 / Eclipse</a>	In depth details of EJB and JPA of how to use these powerful Java EE technologies. This course will show you how to use the features of both of these technologies, including some of the new features introduced in Java EE 6.	5	250	Active	
<a href="#">WA2070 Building SOA Applications with Oracle SOA Suite</a>	Learn how to build SOA apps that leverage the key components of Oracle SOA Suite. Oracle Service Bus, WS-BPEL, Oracle BPEL Manager, implementing rules through the Oracle Rules Engine & monitoring with Oracle Business Activity Monitoring.	5	325	Active	x

<a href="#">WA2082 Programming Java SOAP Web Services with JAX-WS - WebSphere 8.0 / Eclipse</a>	Develop Web Service provider & consumer apps for WAS, XML schema, WSDL, SOAP, JAX-WS and JAXB, WS-Security, WS-Addressing, WS-ReliableMessaging and WS-Trust	5	250	Active	
<a href="#">WA2086 Administration of IBM Business Process Manager 8.0 (Advanced Edition)</a>	Administration & deployment of business processes and service-based apps in BPM Advanced 8.0, install, configure, and manage BPM apps & troubleshoot common problems.	5	325	Active	x
<a href="#">WA2087 Programming Java SOAP and REST Web Services - WebSphere 8.0 / RAD 8.0</a>	Implement web services with WebSphere 8.0 using the most recent Java standards, JAX-WS for SOAP web services and JAX-RS for REST web services.	5	250	Active	
<a href="#">WA2088 WebSphere Application Server 8.5 Administration on Windows</a>	Administration & deployment of enterprise apps in theWAS 8.5 Network Deployment environment, including troubleshooting, security, databases, messaging, performance, scripting, web services, and clustering.	5	300	Active	
<a href="#">WA2089 WebSphere Portal 8.0 Programming</a>	WebSphere Portal development using JSR 286 portlet API, includes JavaServer Faces based portal site development, using Dojo, AJAX with portlets.	5	325	Active	x
<a href="#">WA2090 Programming REST Web Services with JAX-RS 1.1 - WebSphere 8.0 / RAD 8.0</a>	Design principles of REST architecture, how to implement these services with JAX-RS. This will allow students who take the course to implement RESTful services using Java standards that will be portable to many different Java environments.	5	100	Active	
<a href="#">WA2091 EJB and JPA Programming with Java EE 6 - WebLogic 12c / Eclipse</a>	In-Depth details of how to use EJB and JPA, Java Persistence API, new features introduced in Java EE 6.	5	250	Active	x
<a href="#">WA2093 EJB and JPA Programming with Java EE 6 - WebSphere 8.0 / RAD 8.0</a>	In-Depth details of how to use EJB and JPA, Java Persistence API, new features introduced in Java EE 6.	5	250	Active	
<a href="#">WA2094 Programming REST Web Services with JAX-RS 1.1 - WebSphere 8.5 / Eclipse</a>	Design principles of REST architecture, how to implement these services with JAX-RS. This will allow students who take the course to implement RESTful services using Java standards that will be portable to many different Java environments.	5	250	Active	
<a href="#">WA2095 Web Application Programming with Java EE 6 - WebSphere 8.0 / RAD 8.0</a>	Easily create quality Java web apps using all of the features of JSF, Servlet/JSP, EJB, JPA, CDI specification for dependency injection.	5	250	Active	
<a href="#">WA2097 WebSphere Application Server 8.5 Administration on Linux</a>	Administration & deployment of enterprise apps in theWAS 8.5 Network Deployment environment, including troubleshooting, security, databases, messaging, performance, scripting, web services, and clustering.	5	300	Active	
<a href="#">WA2098 Programming Java SOAP and REST Web Services - WebSphere 8.5 / RAD 8.5</a>	Implement web services with WebSphere 8.5 using the most recent Java standards, JAX-WS for SOAP web services and JAX-RS for REST web services.	5	250	Active	
<a href="#">WA2099 Introduction to Java using Rational Application Developer 8.0</a>	Intro to Java + the syntax of Java, OO programming, exception handling, generics, collections, and file I/O, develop and test Java applications using RAD 8.0.	5	200	Active	

<a href="#">WA2102 Web Application Programming with Java EE 6 - WebSphere 8.5 / RAD 8.5</a>	Easily create quality Java web apps using all of the features of JSF. Also covered is an overview of Servlet/JSP technology for web applications, using EJB for business logic, JPA for persistence, and the CDI specification for dependency injection.	5	250	Active
<a href="#">WA2103 Programming Java SOAP Web Services with JAX-WS - WebSphere 8.0 / RAD 8.0</a>	Implement web services with WebSphere 8.5 using the most recent Java standards, JAX-WS for SOAP web services and JAX-RS for REST web services.	5	250	Active
<a href="#">WA2164 Programming Java SOAP Web Services with JAX-WS - WebSphere 8.5 / RAD 8.5</a>	Develop SOAP Web Service provider and consumer apps for the WAS 8.5 platform-XML schema, WSDL, SOAP, Web Services development (such as JAX-WS and JAXB), WS-Security, WS-Addressing, WS-ReliableMessaging and WS-Trust	5	250	Active
<a href="#">WA2165 Mastering JAX-RS REST Web Services and AJAX Clients - WebSphere 8.5 / Eclipse</a>	Design principles of REST architecture, implement services with JAX-RS, implement RESTful services, AJAX clients of RESTful services sending various data formats.	5	250	Active
<a href="#">WA2167 Programming REST Web Services with JAX-RS 1.1 - WebSphere 8.5 / RAD 8.5</a>	Design principles of REST architecture, how to implement these services with JAX-RS. This will allow students who take the course to implement RESTful services using Java standards that will be portable to many different Java environments.	5	250	Active
<a href="#">WA2168 Introduction to Java using Rational Application Developer 8.5</a>	Intro to Java + the syntax of Java, OO programming, exception handling, generics, collections, and file I/O, develop and test Java applications using RAD 8.5.	5	200	Active
<a href="#">WA2170 Mastering JAX-RS REST Web Services and AJAX Clients - WebSphere 8.5 / RAD 8.5</a>	Design principles of REST architecture, implement services with JAX-RS, implement RESTful services, AJAX clients of RESTful services sending various data formats.	5	250	Active
<a href="#">WA2171 Programming Java SOAP and REST Web Services - WebSphere 8.5 / Eclipse</a>	Implement web services with WebSphere 8.5 using the most recent Java standards, JAX-WS for SOAP web services and JAX-RS for REST web services.	5	250	Active
<a href="#">WA2172 Java EE 6 Programming - WebSphere 8.5 / Eclipse</a>	Intro to the Java EE 6 platform-web apps using JSF, business logic/persistence using EJB and JPA, performing dependency injection using CDI, implementing web services using JAX-WS & JAX-RS	5	250	Active
<a href="#">WA2173 Programming Java SOAP Web Services with JAX-WS - WebSphere 8.5 / Eclipse</a>	Develop SOAP Web Service provider and consumer apps for the WAS 8.5 platform-XML schema, WSDL, SOAP, Web Services development (such as JAX-WS and JAXB), WS-Security, WS-Addressing, WS-ReliableMessaging and WS-Trust	5	250	Active
<a href="#">WA2174 EJB and JPA Programming with Java EE 6 - WebSphere 8.5 / RAD 8.5</a>	n-Depth details of how to use EJB and JPA, Java Persistence API, new features introduced in Java EE 6.	5	250	Active



<a href="#">WA2175 Advanced Java using Rational Application Developer 8.5</a>	This course teaches how to develop advanced Java applications using Eclipse. The advanced features of Java that developers may be using in many different types of programs are covered.	5	200	Active
<a href="#">WA2182 Java EE 6 Programming - WebSphere 8.5 / RAD 8.5</a>	Intro to the various technologies included in the Java EE 6 platform. JSF, EJB, JPA, CDI, JAX-WS and JAX-RS	5	250	Active
<a href="#">WA2184 Apache Maven</a>	This Apache Maven course starts by helping participants understand the tremendous benefits and return on investment from Apache Maven. After completing this course participants will understand how to download, install, set-up and confidently use core Maven features. The most popular version of the course is taught with Eclipse but it can be delivered with any Integrated Development Environment (IDE).	2	120	Active
<a href="#">WA2185 Platform Independent Mobile Development with jQuery Mobile and Apache Cordova (PhoneGap)</a>	Learn how to build applications using jQuery Mobile and Apache Cordova that run on a variety of mobile platforms including iOS, Android and Windows Mobile. Discussion and labs will focus on the jQuery Mobile library and Apache Cordova.	3	200	Active
<a href="#">WA2203 Introduction to Requirement Gathering for Mobile Applications Training</a>	This course is an introduction to management of requirements in mobile projects. It starts by introducing the concepts and ideal for someone who is going to be involved in the requirements management phase of a software project. Hands on exercises allow the students to apply the principles learned throughout the course.	2	125	Active
<a href="#">WA2203 Introduction to Requirement Gathering for Mobile Applications</a>	Intro to management of requirements in mobile projects-concepts in the requirements management phase of a software project. Hands on exercises allow the students to apply the principles learned throughout the course.	2	125	Active
<a href="#">WA2205 Mobile UI Design Essentials and UI Design Patterns</a>	This course teaches the principles for designing effective user interfaces, along with a set of common interaction design patterns on all mobile devices. The course also provides a handy reference to the mobile app design patterns.	2	125	Active
<a href="#">WA2206 Testing Mobile Applications and Mobile Web</a>	This 2-day course details testing best practices and specifically focuses on mobile applications and mobile web testing.	2	125	Active
<a href="#">WA2212 WebSphere Application Server 8.5 Administration Fundamentals</a>	Administration & deployment of enterprise apps in the WAS 8.5 Network Deployment environment, including troubleshooting, security, databases, messaging, performance, scripting, web services, and clustering.	3	180	Active
<a href="#">WA2214 Mastering JAX-RS REST Web Services and AJAX Clients - JBoss / Eclipse</a>	Design principles of REST architecture, implement services with JAX-RS, implement RESTful services, AJAX clients of RESTful services sending various data formats.	5	250	Active
<a href="#">WA2215 Java Persistence (JPA) Programming using Rational Application Developer 8.0 Training</a>	This 3 day training course teaches students about the standard persistence architecture provided by JPA. This standard can be used to replace third party persistence frameworks like Hibernate. By learning the programming model made available by the JPA standard and how to use it in various types of applications, developers can create applications that are more portable between environments and rely less on integration of third party libraries. Students will develop JPA applications using RAD 8.0 for the WebSphere Application Server 8.0 platform.	3	150	Active



<a href="#">WA2216 Spring 3 Fundamentals Using Eclipse and WebSphere</a>	Intro to Spring 3 framework-defining Spring bean components, using Spring for dependency injection, Spring support for persistence frameworks like JPA, using Spring in various web and web service applications.	3	180	Active
<a href="#">WA2217 Programming Java EE 6 SOAP Web Services with JAX-WS - JBoss / Eclipse</a>	Develop Web Service provider & consumer apps for the JBoss platform-XML schema, WSDL, SOAP, Web Services development (JAX-WS & JAXB), WS-Security, WS-Addressing, WS-ReliableMessaging, WS-Trust	5	250	Active
<a href="#">WA2220 Introduction to AngularJS Programming</a>	AngularJS has become a popular JavaScript framework for the development of "single page" Rich Internet Applications. The AngularJS framework augments applications with the popular "model-view-controller" pattern which helps make applications easier to develop and test because there is a separation of responsibilities within the code.	2	120	Active
<a href="#">WA2233 Enterprise Integration Patterns and Solutions for Architects</a>	A great deal of integration problems enterprise architects and designers are faced with are surprisingly similar. Those recurring problems can be solved by using integration patterns and solutions that encapsulate design expertise accumulated in the IT industry over years.	2	150	Active
<a href="#">WA2235 Apache Maven Quickstart</a>	Understand how to download, install, set-up and confidently use core Maven features. Students learn to run Maven commands both from the command line and within Eclipse.	5	60	Active
<a href="#">WA2256 Mobile Web Design with HTML5, CSS3, JavaScript and jQuery Mobile Training</a>	Responsive Mobile Web Development is more than just HTML. The core technologies are: HTML5, CSS3 and JavaScript. HTML is used for semantic markup, CSS3 defines presentation, and JavaScript implements behavior. Many mobile web sites use the jQuery Mobile JavaScript library to simplify coding.	5	250	Active
<a href="#">WA2256 Responsive Mobile Web Design with HTML5, CSS3, JavaScript and jQuery Mobile</a>	Explore these crucial technologies: HTML, CSS, JavaScript, jQuery. The class includes numerous hands-on labs allowing students to use all of these technologies together to build web sites.	5	325	Active
<a href="#">WA2271 Continuous Integration with Jenkins</a>	This course is targeted to people who will use Maven to build projects. They will typically work on projects that have already been created (i.e. existing project checked out from an SCM system), or create new projects based on a Maven archetype. They may be expected to add dependencies to an existing project, or configure the build process by editing the project's POM.	1	60	Active
<a href="#">WA2308 Continuous Integration with Maven, Jenkins and Artifactory</a>	Understand the build process, continuous integration, automated test execution, run Maven jobs, link to version control system, run automated testing, generate development reports, configure the system, generated artifacts to an Artifactory repository.	3	180	Active
<a href="#">WA2321 Continuous Integration with Maven, Jenkins and Nexus</a>	Understand the build process, continuous integration, continuous integration with automated test execution using Jenkins, Maven, and the Sonatype Nexus OSS repository manager.	3	180	Active
<a href="#">WA2343 Fundamentals of Architectural Thinking</a>	This course is for architects of all types (EA, solution architecture, technical architecture, etc.). It covers core architecture concepts: Architecture Principles, Stakeholders, Views & Viewpoints, Quality Attributes, Nonfunctional requirements, Tactics, Patterns, and Techniques.	2	150	Active

<a href="#">WA2379 Servlet and JSP Programming with Tomcat 7 Using Eclipse Training</a>	Students will learn to develop and test server-side web applications based on the Java Platform, Enterprise Edition (Java EE) component model using Eclipse tools. Develop and test server-side applications that use Servlets and JavaServer Pages (JSPs) for the control and flow of e-business applications.	4	200	Active	
<a href="#">WA2394 Web Service Programming with Apache Tomcat and Apache CXF Training</a>	This course covers how to implement web services with Apache Tomcat and Apache CXF using the most recent Java standards, JAX-WS for SOAP web services and JAX-RS for REST web services. Since it is possible to use both styles of web services, even within the same application, this course will show the student the strengths of both styles and how to properly implement both types of web services. Testing web services is also more difficult than "normal" web applications so this course covers tools and techniques used to test web services in the labs.	5	300	Active	
<a href="#">WA2402 Introduction to Responsive Web Development with HTML5, CSS3, JavaScript and jQuery</a>	Modern Web Development is more than just HTML. The core technologies are: HTML5, CSS3 and JavaScript. HTML is used for semantic markup, CSS3 defines presentation, and JavaScript implements behavior. Many web sites use the jQuery JavaScript library to simplify coding. Combined, these technologies can be applied to create better web sites that adapt to today's range of client devices, a technique called Responsive Web Design. This course will introduce that technique and show how to properly leverage the related technologies to implement it.	5	300	Active	
<a href="#">WA2404 Managing Software Dependencies and Artifacts with Nexus, Apache Maven, and Apache Ivy</a>	"Get the jar files out of version control". "Get the deployable files out of version control". These commands are a common theme in software development. Many developers have viewed binary artifacts in version control as a bad thing, regardless of the version control used. However, the alternative usually involves developers keeping a set of libraries, or the development organization keeping a "blessed" build machine that stores all the approved artifacts. Not to mention the inevitable folder of "Gold build" deployable files (jar, war, or exe files).	2	120	Active	
<a href="#">WA2406 Introduction to Responsive Web Development with AngularJS and Bootstrap</a>	AngularJS has become a popular JavaScript framework for the development of "single page" Rich Internet Applications. The AngularJS framework augments applications with the popular "model-view-controller" pattern which helps make applications easier to develop and test because there is a separation of responsibilities within the code. Although there are many benefits to using the AngularJS framework it is fairly different than the way "typical" web applications involving JavaScript have been designed. This training course will provide an introduction to the benefits of AngularJS so course participants can start to develop responsive applications quickly using the framework.	3	180	Active	
<a href="#">WA2425 AngularJS Training: Introduction to AngularJS</a>	Web Age Solutions AngularJS training introduces the AngularJS framework, which has become a popular JavaScript framework for the development of "single page" Rich Internet Applications. The AngularJS framework augments applications with the "model-view-controller" pattern which makes applications easier to develop and test because there is a separation of responsibilities within the code.	3	240	Active	
<a href="#">WA2438 Advanced Java using RAD 8.0</a>	This course teaches how to develop advanced Java applications using RAD 8.0 . The advanced features of Java that developers may be using in many different types of programs are covered.	5	200	Active	
<a href="#">WA2442 Introduction to JavaScript</a>	This course teaches the fundamentals of JavaScript, the language of the Web. The material of the course covers everything you need to know to become proficient using JavaScript. You will learn JavaScript's core elements, as well as some popular JavaScript libraries, such as jQuery, Underscore and others. The course also covers such topics as JavaScript best practices, program debugging and testing.	3	150	Active	
<a href="#">WA2443 Advanced JavaScript for Web 2.0 Development</a>	This course teaches the advanced aspects of JavaScript. The material of the course covers elements that will enable students to create powerful programs using JavaScript. One of the main focuses of this class is the AngularJS JavaScript library that makes front-end web development consistent and web developers productive.	3	175	Active	

Cost for software licensing and remote cloud support is \$200/day for up to 6 students and \$300/day for up to 12 students.  
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