

Professional Education Strategies Group

Seminar Offerings and Curriculum Guide

Core Competencies, Best Practices and Advanced Techniques



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TRAINING FOR BETTER REQUIREMENTS™

Business Analyst Essentials - Core Competencies, Best Practices and Advanced Techniques

Core business analysis and requirements gathering competencies are more critical now than ever. Business analysts need straightforward, structured methods and techniques to define and deliver better requirements. Unfortunately, business analysts and project team members charged with defining and validating requirements typically do not receive formal training in this essential element of every project. Requirements gatherers receive no guidance to let them know when they have succeeded in producing “good requirements” that are clear and verifiable or when they have failed by producing “bad requirements.”

PESG offers comprehensive and practical “business analyst essentials” training. The seminars in PESG’S Training for Better Requirements™ curriculum provide best practices that offer a complete toolkit of the approaches, techniques and skills you need to improve your individual abilities as a requirements professional and improve your organization’s requirements gathering process. Seminar components include:

- Basic Business Analysis 2 Days
- Defining and Writing Better User Requirements 2 Days
- Use Case Boot Camp 2 Days
- Validating Requirements Using Inspections 1 Days
- Developing Agile Requirements with User Stories 2 Days
- Diagramming and Modeling Essentials for Business Analysts 2 Days
- BABOK® Tools and Techniques for Business Analysis 2 Days
- Communicating Requirements for Offshore Projects 2 Days
- Requirements Elicitation and Facilitation Skills 2 Days
- Enterprise Architecture for Business Analysts 1 Day
- Process Modeling for Business Analysts 3 Days
- Data Modeling for Business Analysts 3 Days
- Business Case Development – Making the Business Case 2 Days
- Writing Requirements-Driven Test Plans 1 Day
- Writing Use Case-Driven Test Plans 1 Day
- Understanding and Applying SOA for Business Analysts 1 Day
- Service Oriented Analysis and Design - SOAD 2 Days
- Requirements Management Basics 1 Day
- What Managers Need to Know About Requirements 1/2 Day
- Requirements Definition Week 5 Days
- CBAP® Exam Prep Course 3 Days

Virtual Classroom Seminars – Delivered via Webex

- Ten Essentials for Better Requirements 1 hour
- Ten Essentials for Use Case Success 1 hour
- Business Analyst Guide to Asking Better Questions 2 hours
- Business Analyst Guide to Understanding Use Cases 2 hours
- Business Analyst Guide to Business Rules 2 hours
- Business Analyst Guide to Validating Requirements 2 hours
- Business Analyst Guide to SOA 3 hours
- Business Analyst Guide to Communicating Requirements to Offshore Teams 2 hours
- Business Analyst Guide to Introversion and Extraversion 1 hour
- Business Analyst Guide to Presenting with Confidence 2 hours
- Business Analyst Guide to Understanding, Managing and Coping with Change 1 hour
- From Use Case to Test Case 1 hour
- Defining and Writing Better Requirements – Virtual 13 hours
- Use Case Boot Camp – Virtual 13 hours
- Use Case Driven Test Planning - Virtual 6.5 hours
- Requirements Driven Test Planning - Virtual 6.5 hours
- Service Oriented Analysis and Design – Virtual 14 hours



PROJECT MANAGEMENT

Project management is not simply an objective. Project management is a structured, real world cycle of activities that keeps the project manager in control and guarantees predictable results, even in an environment of continual change and uncertainty. PESG offers a complete, integrated project management curriculum that can be tailored to meet your specific training requirements. PESG is a Category B Provider – PMP® Continuing Education - PMBOK® Fourth Edition compliant. Available seminars include:

- Project Management Essentials 2 Days
- Project Execution Techniques 2 Days
- Effectively Managing and Governing the Service Provider 2 Days
- Managing Offshore Projects, Resources and Applications 2 Days
- Project Presentations that Count 2 Days
- Advanced Topics in Project Management 2 Days
- Project Manager Practitioner Boot Camp 9 Days
- Data Warehouse Project Management 2 Days

AGILE DEVELOPMENT

As truly Lean organizations have shown time and again, easing the most restrictive constraint from the whole organization's value-stream always provides returns on the investment. In the software world, Agile processes are known for delivering the best business value sooner, and for removing many of the traditional constraints involved in software product delivery.

- Agile Team Boot Camp 3 Days
- Developing Agile Requirements with User Stories 2 Days
- Scrum Essentials 2 Days
- Product Owner Workshop 1 Day
- Agile Project Management 2 Days
- Agile Estimating and Planning 1 Day
- Essential Test-Driven Development 3 Days

SOFTWARE TESTING AND QUALITY ASSURANCE

Companies rely on software more than ever to provide and manage information with strategic and operational importance and to provide key decision support. Rising customer expectations for fault-free, requirements-exact software have increased awareness of the importance of software testing as a critical activity.

PESG provides proven, practical training seminars that address real-world software testing issues and problems. Our testing seminars provide a complete life cycle approach for systematically performing the testing process. Individual seminars available include:

- Software Testing Techniques 2 Days
- Writing Requirements-Driven Test Plans 1 Day
- Writing Use Case-Driven Test Plans 1 Day
- Conducting Effective Peer Reviews and Inspections 1 Day
- Validating Requirements Using Inspections 1 Day
- Effective Peer Review Moderation 1 Day
- Object-Oriented Testing Techniques 1 Day
- Agile Testing 2 Days



ENTERPRISE ARCHITECTURE & SERVICE ORIENTED ARCHITECTURE - SOA **Understanding the Technology, Methodology and Sociology of Enterprise SOA Transitions**

PESG's SOA and Web Services Curriculum offers an integrated training approach that addresses SOA planning, implementation and management scenarios. Using a flexible, component-based approach, we can design a training program to meet your specific training needs. Seminars in the series include:

- Understanding and Applying SOA 1 Day
- SOA for Senior Executives – Executive Briefing ½ Day
- Lessons Learned on the SOA Journey –
Practical advice, independent opinions from the SOA trenches 1 Day
- Enterprise SOA Governance 1 Day
An Introduction to Service Oversight, Decision Making,
Policy Setting, Administration and Stewardship
- Service Oriented Analysis and Design 2 Days
- Securing Java Web Services 3 Days
- Developing Java Web Services 5 Days
- Developing Java Web Services with WebLogic™ 5 Days

MANAGING OFFSHORE WORK AND RESOURCES

Are you struggling to realize the promised savings from offshore development partners? Does your IT and business staff have the skills needed to work effectively in this new environment? PESG offers three unique seminars to help you refine your processes, measure progress and gain efficiencies.

- Managing Offshore Projects, Resources and Applications 2 Days
- Communicating Requirements for Offshore Projects 2 Days
- Effectively Managing the Service Provider 2 Days

DATA MODELING

PESG's Data Warehouse Concepts and Methodology seminar curriculum is conducted by data warehouse/business intelligence expert and noted author Larissa Moss. Each seminar contains objective information, practical insights and realistic advice from Larissa's vast experience in the field.

- Data Modeling Basics 1-2 Days
- Advanced Data Modeling Challenges 2 Days
- Dimensional Modeling Fundamentals 2 Days
- Data Modeling Master Class 3 Days

DATA WAREHOUSE CONCEPTS AND METHODOLOGY

PESG's Data Warehouse Concepts and Methodology seminar curriculum is conducted by data warehouse/business intelligence expert and noted author Larissa Moss. Each seminar contains objective information, practical insights and realistic advice from Larissa's vast experience in the field.

- Data Warehouse Project Management: 2 Days
An Agile Approach to Managing Data Warehouse Projects
- Data Quality Issues and Solutions 2 Days
- Master Data Management 1 Day
- Logical Data Modeling for the Data Warehouse 2 Days
- Data Warehouse Methodology – DW/BI Life Cycle Roadmap 2 Days
A Complete DW/BI Project Life Cycle Roadmap



APPLICATION DEVELOPMENT – HANDS ON TRAINING

PESG offers hands-on training programs in:

Java Programming

These courses cover Java programming, GUI development, and the Java Micro environment (J2ME).

- Introduction to Java Programming 5 Days
- Java Programming – Intermediate 5 Days
- Advanced Java Programming 2 Days

Java EE

This curriculum covers technology specified in the Java Platform, Enterprise Edition, including Java Servlets, JSP, JSF, JMS, and EJB. All courses are available in primary forms that run using the appropriate reference implementations: for web technology this is the Tomcat web container, and for JMS and EJB it is the Java EE SDK and GlassFish.

We also offer vendor-specific versions of the courses listed here, supporting popular Java EE products such as Tomcat, GlassFish, JBoss, and WebLogic.

- Overview of Java EE Development 1 Day
- Java Servlets 2 Days
- Introduction to JSP 2 Days
- JavaServer Faces 5 Days
- The Java Message Service 1 Day
- Enterprise JavaBeans 5 Days
- Securing Java Web Applications 3 Days

XML and Java Web Services

These courses include training in XML technology that requires a programming language, such as parsing, triggering transformations programmatically, binding, and Web services.

- XML Programming using Java 4 Days
- Developing Java Web Services 5 Days
- Developing RESTful Services in Java 3 Days
- Securing Java Web Services 5 Days

Open Source Frameworks

These courses cover some of the most popular open-source application frameworks that extend the features of Java EE and facilitate practical application development while adhering to Java EE standards. Additional frameworks available.

- Spring MVC Web Applications 5 Days
- Spring Security 2 Days
- Java Persistence with Hibernate 2 Days

XML - Core XML

These courses address XML technology that is not tied to any particular platform or programming language: XML, Schema, XSLT, and XSLFO.

- Introduction to XML 1 Day
- XML for the Enterprise 5 Days
- XSLT 4 Days
- XML Schema 2 Days
- XSLFO 1 Day