



Training Catalog
Quality Plus Technologies, Inc.

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Quality Plus Technologies, Inc.

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Training Catalog for Quality Plus Technologies, Inc.

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Matrix of available Onsite Workshops by Quality Plus Technologies

Workshops	Beginner, Intermediate, Advanced	Duration (# of Days)	Available On-Site	Suitable for FP Practitioners (Yes or No)
1. Guide to Software Measurement Start-up	Beginner to Intermediate	1 day	Yes	Yes, this is a structured approach to Goal /Question /Metric and FP based measures
2. Executive Overview of Software Measurement	Beginner	½ day	Yes	Yes, high level overview of Measures
3. Fact Based Management for Software Development	All levels suitable	1 day	Yes	Yes, also for Quality Practitioners
4. Building Better Software – A Requirements Workshop (Utilizing Use Cases)	All levels suitable	2 days	Yes	Yes, this outlines how to build better software by focusing on functional requirements
5. Executive Overview of Function Points	Beginner	½ day	Yes	Not specifically - unless 1st exposure to FPA
6. IFPUG Certified Hands-on Function Point Training	Beginner	2 days	Yes	Yes – to establish FP competency this is an essential workshop
7. Function Point Refresher Training	Intermediate	1 day	Yes	Yes, especially for those who are not fulltime counters
8. What is Project Modeling? (Estimating Using FP based Measurement)	Beginner to Intermediate	½ day (could be expanded)	Yes	Yes, this is especially suitable for FP counters who are also Project Managers
9. What is Involved in a Function Point Count? (or How to Prepare for an FP Count)	Beginner	½ day	Yes	No, intended for non-counters
10. IFPUG Release 4.x Impact (changes between IFPUG 4.2 and 4.x)	Intermediate to Advanced	½ day	Yes	Yes, for those trained in IFPUG 4.2 or earlier
11. Function Point Analysis for Web-Based Software	Intermediate to Advanced	1 –2 days	Yes	Yes, for anyone who has web-based or client-server applications in their organization’s portfolio.
12. Function Point Validation	Intermediate to Advanced	1 day	Yes	Yes, for anyone who is responsible for reviewing FP counts done by other FP counters.
13. Time Reporting Workshop	All levels	½ day	Yes	Yes, for those involved in Metrics gathering / reporting

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Workshops	Beginner, Intermediate, Advanced	Duration (# of Days)	Available On-Site	Suitable for FP Practitioners (Yes or No)
14. Project and Application Attribute Workshop	Intermediate to Advanced	½ day	Yes	Yes, for those involved in Metrics gathering / reporting
15. Quality Reporting Workshop	Intermediate to Advanced	½ day	Yes	Yes, for those involved in Metrics gathering / reporting
16. Cost Reporting Workshop	Intermediate to Advanced	½ day	Yes	Yes, for those involved in Metrics gathering / reporting
17. Metrics for the Software Engineering Life Cycle	Intermediate to Advanced	½ day	Yes	Yes, for those involved in Project Management
18. Practical Software & Systems Measurement	All levels	1 day	Yes	Yes, especially those involved in designing/managing measurement programs
19. CFPS Exam Preparation	Intermediate to Advanced	1 day	Yes	Yes, for anyone thinking about taking the CFPS exam.
20. Function Points and Use Cases – A Requirements Workshop	Intermediate to Advanced	1 day	Yes	Yes, if any use case methodologies are used in the organization to document requirements.
21. Function Point Analysis and Counting Enhancement Projects	Intermediate to Advanced	1 day	Yes	Yes, anyone who needs to count FPs for enhancement projects.
22. Function Point Analysis for Data Warehouses	Intermediate to Advanced	1 day	Yes	Yes, anyone who needs to count FPs for data warehouses.
23. Goal-Question-Metric	Beginner	½ day	Yes	Yes
24. Statistical Process Control (SPC) Overview	Beginner	½ day	Yes	Yes



1. Guide to Software Measurement Start-up

Workshop Description	<p>This one-day workshop provides an introduction to software measurement concepts, key measurement program components, critical success factors, implementation steps, how to sell your program, common challenges, presentation of results and evolution of your program.</p> <p>The workshop will also include a short overview of function points, but WILL NOT address specific function point counting rules or examples.</p> <p>Building on the work of Victor Basili who pioneered the Goal Question Metric (GQM) approach to measurement, this workshop is a must for companies at the beginning of a software measurement program.</p>
Prerequisite	None
Duration	1 day
Cost	Call for details and arrangements.
Who should attend	<p>It is intended for IS managers, project managers, measurement coordinators, and others who require an appreciation of the key elements to starting and implementing a software measurement program.</p> <p>This workshop is ideal for those with less than six months experience in implementing a software measurement program.</p>
Workshop Objectives	<ul style="list-style-type: none"> • To outline the basic concepts involved in software measurement; and Identify the steps and considerations to setting up software measurement; • To present tips and techniques to market software measurement to your organization.
Training Style	Lecture with interactive exercises
Materials Provided	One master copy of materials provided to client
Number of Participants	Up to 30



2. Executive Overview of Software Measurement

Workshop Description	This workshop provides an introduction to the elements of software measurement, the benefits, the logistics, and the realistic timeframes required for successful software measurement implementation. The Goal, Question, Metric (GQM) approach to software measurement success is introduced. The link of software measurement to industry standards including the SEI's Capability Maturity Model, the ISO 9000 standards, and other industry initiatives are also presented.
Prerequisite	None
Duration	1/2 day
Cost	Call for details and arrangements.
Who should attend	This executive level overview is a non-technical presentation intended for CIOs, senior IT managers, non-IT management, and stakeholders.
Workshop Objectives	<ul style="list-style-type: none"> • To outline the basic elements involved in software measurement; • To introduce the importance of the Goal, Questions, Metric approach to software measurement success; • To outline where function points can fit in, and what they can and cannot do; • To set realistic expectations about long term and short term benefits of software measurement; • To tie software measurement in to industry standards including the Capability Maturity Model, the ISO 9000 standards, and other industry initiatives.
Materials Provided	One master copy of materials and articles by Carol Dekkers provided to client
Number of Participants	15



3. Fact Based Management for Software Development

Workshop Description	<p>Today’s managers are challenged with questions: How can we effectively manage the continually changing software environment? How can we manage a myriad of emerging tools, platforms, and methodologies? How can we manage and control software development issues when new technologies often compound the problem? This workshop examines a range of proposed solutions to these problems, including the Software Engineering Institute’s Capability Maturity Model (CMM), ISO standards, requirements management models, and software measurement. Learn how to effectively implement fact-based management that will succeed in your environment.”</p>
Prerequisite	Basic project management, scheduling, application development / enhancement / maintenance knowledge
Duration	1 day
Cost	Call for details and arrangements.
Who should attend	Information Technology managers and other IT professionals involved in software process improvement and measurement
Workshop Objectives	<p>The agenda for the workshop:</p> <ul style="list-style-type: none"> • IT Challenges • Compounding Issues • Possible Solutions • Choosing the Right Solution <p>Goals for the workshop:</p> <ul style="list-style-type: none"> • Present information on Industry initiatives • Exchange ideas with attendees • Challenge traditional thinking • Identify and Expand knowledge of available/established (free) resources
Materials Provided	One master copy of materials is provided to client for copying
Number of Participants	Up to 50



4. Building Better Software – A Requirements Workshop (Utilizing Use Cases)

Workshop Description	Use Cases are a technology independent, structured approach to the concise and accurate articulation of software user requirements. While Use Cases are typically associated with object oriented development, their usage and applicability extends to all types of software development. This workshop is offered in two flavors – one for software users/customers and one for software developers.
Prerequisite	None
Duration	2 days lecture plus ½ day use case writing seminar
Cost	Call for details and arrangements.
Who should attend	This workshop is intended for users and developers that will be participating in a system development project.
Workshop Objectives	Some of the learning objectives of the workshop are to: <ul style="list-style-type: none">• increase knowledge of software development life cycle and role of users,• increase comfort with IT terminology,• understand the importance of “good” user requirements,• learn how to specify functional requirements through use cases and how to document non-functional requirements, and• increase team productivity (reviews, checklists, etc.)
Training Style	2 day lecture / interactive session followed by ½ day hands-on practice
Materials Provided	Master copy of materials provided to client
Number of Participants	20



5. Executive Overview of Function Points

Workshop Description	This half day workshop covers the essential elements that managers need to know about Function Point based software measurement. It is a high level non-technical presentation that profiles not only what function points CAN do for an organization, but also what they CANNOT do.
Prerequisite	None
Duration	½ day
Cost	Call for details and arrangements.
Who should attend	This executive level overview is a non-technical presentation intended for CIOs, senior IT managers, non-IT management, and stakeholders.
Workshop Objectives	<ul style="list-style-type: none"> • To outline the basic elements involved in function point based software measurement; • To provide a basis for and present the history of function point analysis as maintained by the International Function Point Users Group (IFPUG) • To outline the major components and elements involved in the functional size measurement and how the users and customers can benefit from function points throughout the development life cycle; • To outline where function points can fit in, and what they can and cannot do; • To demonstrate the ease with which customers and managers can adopt function point based measurement; • To identify why function points assist in the requirements definition, estimating and change management of a software project.
Training Style	1/2 day lecture / interactive session
Materials Provided	One master copy of materials and articles by Carol Dekkers provided to client
Number of Participants	15



6. IFPUG Certified Hands-on Function Point Training (IFPUG 4.3)

Workshop Description	This workshop is certified by the International Function Point Users Group (IFPUG) to the Counting Practices Manual release 4.3. There are four modules: 1) Management Overview, 2) Introduction to the Function Point Counting Rules, 3) Hands-On Function Point Counting Skills Practice, and 4) Continued Skills Practice. The modular design accommodates participants who require varying levels of measurement and function point detail. In this way, supervisors and managers desiring a high level overview of Software Measurement and Function Points can attend the first module: Management Overview, while counters can attend all four modules.
Prerequisite	None
Duration	2 days
Cost	Call for details and arrangements.
Who should attend	It is designed for novice function point counters, application experts, users, IS supervisors, business analysts, and managers.
Workshop Objectives	To transfer function point counting knowledge and skills to workshop participants through the use of classroom instruction, case studies, and numerous hands-on exercises.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Training Style	Lecture with hands-on case study practice throughout
Number of Participants	Up to 20



7. Function Point Refresher Training

Workshop Description	This hands-on workshop is intended to update and refresh the counting expertise of software professionals who have previously taken function point training, but have not had much counting experience or have not counted recently. It is ideal for counters who wish to update their skills, as well as for novice counters wanting to gain confidence in their counting ability. The workshop proceeds through the counting rules, case studies, and counting exercises, and finishes with information and advice about the Certified Function Point Specialist (CFPS) exam.
Prerequisite	Function Point Training (2 days)
Duration	1 day
Cost	Call for details and arrangements.
Who should attend	Individuals who have previously taken function point training, but have not had much counting experience or have not counted recently.
Workshop Objectives	<ul style="list-style-type: none">• To review the basics of Function Point counting• To update counter knowledge and experience with hands-on counting examples;• To gain practice in counting in new environments: GUI, OO, hybrid applications, web applications, etc.
Training Style	Lecture
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 20



8. What is Project Modeling?

Workshop Description	This overview workshop explains the relationship between software estimation, project modeling and function point counting. The topics covered in this informative workshop include: What is Project Modeling and What is Project Estimation? High Level Overview of Modeling, Pre-requisites to Modeling, Project estimates during the Development Life Cycle -- How to Handle Scope Creep, Estimating Tools Overview (May be tailored to the estimating software already in place at the client site, if applicable), Inputs to the Modeling Process, What If's, Scope Creep and other considerations in Software Estimating, and What are the Benefits to Project Modeling?
Prerequisite	No prerequisite knowledge is required, however, a high level understanding of the system development process would be beneficial.
Duration	½ day
Cost	Call for details and arrangements.
Who should attend	It is intended for project managers, account managers, quality assurance analysts, managers and software contract specialists.
Workshop Objectives	<ul style="list-style-type: none">• To outline the basic concepts involved in project estimating and modeling;• To review the relationship between Function Points and project estimates;• To identify logistics of setting up a successful project modeling initiative.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 30



9. What is Involved in a Function Point Count? (How to Prepare for an FP Count)

Workshop Description	<p>This workshop provides an introduction to function point counting principles and prepares project participants for function point counting.</p> <p>This does not replace the two day "Hands-On Function Point Analysis" workshop, it simply introduces the Function Point concepts to familiarize professionals with the terminology and approach used in function points.</p> <p>The topics covered in this valuable workshop include: High Level Overview of FP, Customer View of Applications, FP versus DP Use of Terms, Where do FP fit into a Measurement Program? What's involved in a Function Point Count? What happens after a Function Point Count?</p> <p>This workshop can also be customized to include company specific information, and allows for you to present highlights of your measurement plans.</p>
Prerequisite	None
Duration	½ day
Cost	Call for details and arrangements.
Who should attend	This workshop is intended to increase the productivity of the actual counting sessions and brief project managers, analysts, managers, customers, business analysts, and others who may be involved in a function point count.
Workshop Objectives	<ul style="list-style-type: none"> • To outline the basic concepts involved in Function Point Counting; • To review commonly misunderstood terms used in both information technology and function point analysis; • To outline what is required prior to and during function point counting session.
Materials Provided	One master copy of materials is provided to client.
Number of Participants	Up to 30



10.IFPUG Release 4.x Impact (Changes between IFPUG 4.2 and 4.x rules) - TBD

Workshop Description	<p>This workshop is the IFPUG workshop written by the IFPUG Counting Practices Committee (CPC) and licensed to Quality Plus Technologies, Inc. It covers all of the changes and clarifications of function point counting rules between the earlier FP release (IFPUG 4.2) and the soon to be released "2009" FP release (IFPUG 4.x).</p> <p>This workshop does not replace the two day "Hands-On Function Point Analysis" workshop, it simply provides updated rules for professionals already familiar with the terminology and approach used in function points.</p>
Prerequisite	Function Point Training (2 days)
Duration	1/2 day
Cost	Call for details and arrangements.
Who should attend	<p>This workshop is intended for measurement practitioners, function point counters, and Certified Function Point Specialists, and others to increase their knowledge. In addition, any current CFPS holders will become current with the new release if they attend this class. Certificates will be issued directly by the International Function Point Users Group (IFPUG).</p>
Workshop Objectives	To update function point practitioners trained in the IFPUG 4.2 rules to the new IFPUG rules.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 15



11. Function Point Analysis for Web-Based Software

Workshop Description	<p>This workshop focuses on counting function points for web-based software. It starts with a review of IFPUG FP counting rules and web terminology then proceeds to the following topics:</p> <ul style="list-style-type: none">• Function Points and Web-Based Software• Web Considerations for GSCs• Project versus Application FP Counts• FP Based Estimating for Web Development
Prerequisite	IFPUG Certified Hands-on Function Point Analysis (2 days)
Duration	1 or 2 days
Cost	Call for details and arrangements.
Who should attend	Individuals who have previously taken function point training, but have not had experience counting web-based software.
Workshop Objectives	<ol style="list-style-type: none">1. To apply IFPUG Function Point counting rules to determine the functional size of web-based software.2. To provide “web” guidance on the General System Characteristics (GSCs).3. To identify the characteristics of web-based software that are important for project estimating (functional and non-functional requirements).
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor (quick reference card for web applications).
Number of Participants	Up to 30



12. Function Point Validation

Workshop Description	This workshop equips students with the knowledge to confidently and competently review and validate function point counts. It conforms to the <u>International Function Point Users Group (IFPUG)</u> counting practices manual for counting function points (FP).
Prerequisite	Function Point Training (2 days)
Duration	1 day
Cost	Call for details and arrangements.
Who should attend	Project managers, lead analysts, business analysts, applications experts, IT Supervisors, contract managers, users and others who need to validate their Function Point counts.
Workshop Objectives	<ul style="list-style-type: none"> • To outline major areas of counting inconsistencies between counters • To illustrate common errors in counting • To illustrate common variations that can arise in counting • To equip students with tools to aid in validating existing development, enhancement, and application counts • To practice, through a hands-on case study, the tools to validate FP counts • To exchange tips and techniques between class participants in terms of documentation techniques and other tips about FP counting
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor (quick reference card for web applications).
Number of Participants	Up to 30



13. Time Reporting Workshop

Workshop Description	Work effort tracking and reporting must be integrated with function point information to create the productivity ratios for Function Point Analysis. Time reporting issues and suggested solutions are presented to the management team for adaptation to their organization.
Prerequisite	None
Duration	½ Day
Cost	Call for details and arrangements.
Who should attend	The management team responsible for making decisions affecting the application development and maintenance process.
Workshop Objectives	<ul style="list-style-type: none"> • Understand the impact of time reporting issues on productivity measurement. • Understand the need for consistency in time reporting. • Decide who should report time within the organization. • Determine how to handle reporting of non-project hours. • Make decisions on categorizing project and support hours.
Training Style	Interactive workshop in which time reporting issues are presented and the management team integrates productivity concepts into their time reporting system and project life cycle.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	This focused workshop is limited to one group, preferably of no more than 10 people.



14. Project and Application Attribute Workshop

Workshop Description	This is an interactive workshop where categories of project attributes are presented to the management team for adaptation to their organization.
Prerequisite	None
Duration	½ day
Cost	Call for details and arrangements.
Who should attend	The management team responsible for making decisions affecting the application development and maintenance process.
Workshop Objectives	<ul style="list-style-type: none"> • Develop the project and application attributes needed to supplement function point information. • Learn how to interpret the attribute and function point information. • Learn why each attribute is being collected and how it contributes to the management decision-making process.
Training Style	An interactive workshop that results in the creation of an application and project attribute collection form customized to the individual organization.
Materials Provided	One master copy of all presentation materials, and an outline for creating the attribute collection form is provided to client.
Number of Participants	This focused workshop is limited to one group, preferably of no more than 10 people.



15. Quality Reporting Workshop

Workshop Description	Quality tracking information must be integrated with function point information to create the quality ratios for Function Point Analysis. Quality reporting issues are presented to the management team for adaptation to their organization.
Prerequisite	None
Duration	½ Day
Cost	Call for details and arrangements.
Who should attend	The management team responsible for making decisions affecting the application development and maintenance process.
Workshop Objectives	<ul style="list-style-type: none"> • Understand the impact of quality reporting issues on productivity measurement. • Understand the need for consistency in quality reporting. • Decide who should report defects within the organization. • Determine how to handle reporting of defects at various steps in the development cycle. • Make decisions on categorizing project and support defect reporting.
Training Style	Interactive workshop in which quality reporting issues are presented and the management team integrates productivity concepts into their defect reporting system and project life cycle.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Due to the interactive nature of this workshop, the number of participants should be limited to 20.



16. Cost Reporting Workshop

Workshop Description	Cost tracking must be integrated with function point information to create the financial ratios for Function Point Analysis. Cost reporting issues are presented to the management team for adaptation to their organization.
Prerequisite	None
Duration	½ Day
Cost	Call for details and arrangements.
Who should attend	The management team responsible for making decisions affecting the application development and maintenance process.
Workshop Objectives	<ul style="list-style-type: none"> • Understand the impact of cost reporting issues on productivity measurement. • Understand the need for consistency in cost reporting. • Decide who should report costs within the organization. • Determine how to handle reporting of costs at various steps in the development cycle. • Make decisions on categorizing project and support cost reporting.
Training Style	Interactive workshop in which cost reporting issues are presented and the management team integrates productivity concepts into their cost reporting system and project life cycle.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Due to the interactive nature of this workshop, the number of participants should be limited to 20.

17. Metrics for the Software Engineering Life Cycle

Workshop Description	Using Metrics, and Metrics Analysis, must be integrated with all life cycles in use in the organization. SELC management and reporting issues are presented to the project/management team for adaptation to their organization.
Prerequisite	None required, however, knowledge of function points would be helpful.
Duration	½ Day
Cost	Call for details and arrangements.
Who should attend	The project/management team responsible for making decisions affecting the application development and maintenance process.
Workshop Objectives	<ul style="list-style-type: none"> • Understand the impact of metric reporting issues during the conduct of a project. • Understand the need for metrics consistency in life cycle reporting. • Decide who should report/review project metrics within the development cycle. • Determine how to handle reporting of metrics at various steps in the development cycle. • Make decisions on categorizing project life cycle reporting.
Training Style	Interactive workshop in which life cycle management and metrics reporting issues are presented and the project/management team integrates these concepts into the currently used system and project life cycles
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Due to the interactive nature of this workshop, the number of participants should be limited to 20.



18. Practical Software & Systems Measurement (PSM)

Workshop Description	“Practical Software and Systems Measurement: A Foundation for Objective Project Management,” was developed to meet today's software and system technical and management challenges. It describes an issue-driven measurement process that will address the unique technical and business goals of your organization. The guidance in PSM represents the best practices used by measurement professionals within the software and system acquisition and engineering communities.
Prerequisite	None required
Duration	1 Day
Cost	Call for details and arrangements.
Who should attend	<ul style="list-style-type: none"> • Project and technical managers to gain a better understanding of the use of measurement to manage their software and system projects. • Project technical staff to help implement measurement in a project environment. • Enterprise managers to understand the requirements associated with implementing measurement within their organizations.
Workshop Objective	Provide attendees with the objective information needed to successfully implement a practical software measurement process that will assist project managers to meet cost, schedule, and technical objectives on projects.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 30



19. CFPS (Certified Function Point Specialist) Exam Preparation

Workshop Description	<p>This 1-day workshop provides students with tips, techniques and hands-on practice in preparation to take the Certified Function Point Specialist (CFPS) exam (IFPUG current rules). Passing the exam takes more strategy than simply studying the rules – this workshop equips students with tips and exam preparation practice.</p> <p>Topics Include:</p> <ul style="list-style-type: none"> • CFPS exam composition and layout • Exam taking hints and strategies • Sample timed practice exam
Prerequisite	None required, but Function Point Training (2 days) and actual hands-on function point counting experience is highly recommended.
Duration	1 Day
Cost	Call for details and arrangements.
Who should attend	Function Point Analysts who are planning to write the CFPS exam in the near future.
Workshop Objectives	<ul style="list-style-type: none"> • Learn why CFPS is important • Learn about the IFPUG certification processes • Learn about the structure and strategy of the CFPS Exam • Review IFPUG current release of the Function Point rules • Use Case Studies to practice their analysis skills • How to write a Practice Exam
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 20



20. Function Points and Use Cases – A Requirements Workshop

Workshop Description	<p>This one-day workshop will discuss how to apply FPA to Use Cases and illustrate how easy it can be to size use-case documents or other requirement documents.</p> <p>The daylong agenda includes:</p> <ol style="list-style-type: none"> 1. Types and common elements of use-case methodologies. 2. What are the components of a good use case and good requirements? 3. How to handle non-functional and technical requirements. 4. The role of users in use-case development and review. 5. Sizing use cases for project estimating 6. Accounting for changes during development
Prerequisite	None required, but Function Point Training (2 days) and some actual function point counting experience is highly recommended.
Duration	1 Day
Cost	Call for details and arrangements.
Who should attend	Project managers, subject matter experts (SME), supervisors, contract managers, QA and test managers, users and others who need to be confident in the ability to count FPs from use case or other requirements documents.
Workshop Objectives	<ul style="list-style-type: none"> ▪ Students will be able to write solid use cases for projects and applications. ▪ Students will gain experience applying FP counting principles to use case documents using exercises and case studies. ▪ Students will be able to ensure that others easily understand the use cases they develop or review. ▪ Students will understand how to translate use cases into size.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 20



21. Function Point Analysis and Counting Enhancement Projects

Workshop Description	<p>This one-day workshop will address the many issues of how to apply FPA to counting enhancement projects. First, the types of enhancement projects and how they differ will be discussed in detail. Then fundamental Function Point boundary concepts and how they apply to enhancement projects will be covered.</p> <p>At the completion of the workshop, students will be able to draw boundary diagrams for enhancements, estimate the size of enhancement requests, and understand what qualifies as “changed” functionality.</p>
Prerequisite	<p>None required, but Function Point Training (2 days) and some actual function point counting experience is highly recommended.</p>
Duration	<p>1 Day</p>
Cost	<p>Call for details and arrangements.</p>
Who should attend	<p>Project managers, lead analysts, business analysts, subject matter experts (SME), supervisors, contract managers, QA and test managers, users and others who need to size and estimate their enhancement projects using FPA.</p>
Workshop Objectives	<p>Students will gain knowledge of how to count enhancement projects under a variety of situations:</p> <ol style="list-style-type: none"> 1. When there is no existing base count. 2. From physical documents (i.e., have to “re-engineer” requirements) and how to avoid common mistakes 3. Zero FP projects <p>Students will gain experience applying enhancement counting principles using exercises and case studies.</p>
Materials Provided	<p>One master copy of materials is provided to client. Additional materials supplied by instructor.</p>
Number of Participants	<p>Up to 20</p>



22. Function Point Analysis For Data Warehouses

Workshop Description	<p>This one-day workshop will address how to apply FPA in sizing Data Warehouses and Data Marts.</p> <p>The agenda includes:</p> <ol style="list-style-type: none"> 1. Basic data warehousing definitions 2. How to apply function point analysis to data warehouse elements. 3. How data warehouses affect the scoring of the General System Characteristics 4. Practice with real life case studies <p>At the completion of the workshop, students will know how to apply function point analysis to data warehouses and data marts.</p>
Prerequisite	None required, but Function Point Training (2 days) and some actual function point counting experience is highly recommended.
Duration	1 Day
Cost	Call for details and arrangements.
Who should attend	Project managers, lead analysts, business analysts, subject matter experts (SME), supervisors, contract managers, QA and test managers, users and others who need to size and estimate data warehouses using FPA.
Workshop Objectives	<ul style="list-style-type: none"> ▪ To identify characteristics of a data warehouse ▪ Apply IFPUG 4.2 Rules to data warehouses ▪ To provide guidance on scoring GSCs ▪ Increase experience with data warehouse case studies
Materials Provided	One master copy of materials is provided to client.
Number of Participants	Up to 20



23. Goal-Question-Metric

Workshop Description	This half-day workshop presents the GQM approach for managing measurement in an organization. GQM is a proven measurement approach first introduced by Dr. Victor Basili (University of Maryland) and endorsed by the Department of Defense and the Software Engineering Institute (SEI) in their Practical Software and Systems Measurement workshop. Our workshop starts with introductions to general software measurement concepts and the GQM model and key components. We then present steps to start-up and marketing a measurement program, including how to address the challenges (cultural change issues) and recommendations for implementation.
Prerequisite	None
Duration	1/2 Day
Cost	Call for details and arrangements.
Who should attend	Individuals who are responsible for, or are participating in, the development of a measurement program and want some guidance on how to approach the effort.
Workshop Objectives	The workshop will cover the following objectives: <ul style="list-style-type: none">▪ To Outline Basic Measurement Concepts.▪ To Identify Steps and Considerations to a Successful Start-up.▪ To Practice GQM Principles to Establish Measurement in Your Area.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 20



24. Statistical Process Control (SPC) Overview

Workshop Description	This workshop provides an overview of the basics of Statistical Process Control (SPC) for software measurement. It starts with the introduction to the SPC concepts and the terminology used. Then the tools and charts used for SPC are introduced and steps to start-up activities using SPC are covered.
Prerequisite	No prior knowledge of statistics is required.
Duration	1/2 Day
Cost	Call for details and arrangements.
Who should attend	Individuals who want an OVERVIEW of Statistical Process Control (SPC) to determine if it is applicable for their situation.
Materials Provided	One master copy of materials is provided to client. Additional materials supplied by instructor.
Number of Participants	Up to 20