LogiGear training empowers your team to meet the challenges of emerging technologies, evolving testing techniques and a changing economy with comprehensive software testing training curriculum. Each course is developed from academic research, decades of practical testing experience and proven teaching techniques.
LogiGear University’s mission is to provide your team with the most relevant test and management concepts, strategies, methods and skills available. We understand that progressive new software development experience far outweighs dubious theoretical practices and boilerplate test-tool training. Our instructors are accomplished professionals with decades of experience. They can help train application development teams to find bugs sooner, quickly resolve testing challenges and clarify the distinctions among testing processes.

LogiGear University courses have been taught worldwide. Our classes are designed to be taught at your facility and customized to your requirements. LogiGear is steadfast in its professional services but flexible to your needs. From Silicon Valley to Bangalore, we’re everywhere!
LogiGear cofounder Michael Hackett has two decades of experience with software engineering and testing of various applications in banking, securities, healthcare and consumer electronics. He has helped well known companies including Oracle, CNET, ADP, Adobe, Salesforce, Pfizer, Roche, Sumitomo Bank, Fidelity and Visa produce, test and release applications ranging from business productivity to mobile to eCommerce.

Michael is a Certified Scrum Master and holds a Bachelor of Science degree in engineering from Carnegie Mellon University. He is a founding member of the Board of Advisors at the University of California Berkeley Extension and has taught for the Certificate in Software Quality Engineering and Management at the University of California Santa Cruz Extension. As a member of IEEE, his training courses have brought Silicon Valley testing expertise to over 16 countries.

Michael has coauthored two books on software testing: Testing Applications on the Web and Global Software Test Automation. The LogiGear team has published various books on the topic of software testing including the best-selling book Testing Computer Software.
Testing Computer Software is LogiGear University’s core training course. This three-day course focuses on strategic and tactical approaches to software testing. This course surveys the essential theory and foundation of software quality as well as the practical skill building necessary to be an effective and active contributor to the software development process. Testing Computer Software covers software testing and test project management techniques that are applied daily by successful software development companies.

Smarter testing improves product quality. To test smarter, we start by looking at how various development methods affect testing and test documentation. We then cover a wide variety of test methods, from regression testing to exploratory and scenario testing. This course includes requirements based testing as well as requirements traceability. The goal is to supply you with the best practices for efficient test design and test case documentation. You will learn how to create useful test matrices and decision tables through entertaining exercises and examples. In addition, the class focuses on effective defect communication.

Prerequisites:
There are no formal prerequisites for this course. Some familiarity with computers and strong practical interest in software development or quality assurance is helpful. This course is multi-layered; it provides a strong introduction for those who have just accepted jobs as software test engineers and offers material of interest to senior test engineers, test managers, programmers, and project managers.

COURSE OUTLINE:
Lessons learned in software testing
Overview of product development
The software development life cycle
Overview of a testing organization
Costs associated with testing and quality
Example test series
The impossibility of complete testing
Objectives of testing
Software errors
- How to report software errors
- Analyzing software errors
- Reproducing software errors
Black, gray, and white box testing
Test planning
Essential test case development methods
Model based testing
Combination testing
Brief survey of software testing tools
Basics of test automation
The test plan

Take-Home Bonus:
As an appreciated course participant, you will receive Testing Computer Software in addition to the 500 page course handbook.

Designed for:
- Software testers
- Business analysts
- Test managers
- Test specialists
- QA specialists
- Project managers

“Testing Computer Software is an excellent course. My entire staff is encouraged to take it.”
Emily Campbell
Product Test Manager, Perkin Elmer

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM
It is crucial to understand the role of testing in Agile development. With most Agile discussion now focusing on practices, this two-day course will highlight Scrum as the method for managing product development and eXtreme Programming (XP) for software development practices. Both Scrum and XP do not mention the role of traditional software testing.

How and where does test engineering fit in when testers are involved with code much earlier than in traditional projects? In this class we offer effective strategies and tactics, specific test practices, and possible points-of-conflict for test teams supporting the goals of Agile development. Through exercises and examples you will come away with a better understanding of how to develop test strategies while considering the increased speed of delivery and lean documentation. In addition, the class focuses on strategies for overcoming new automation hurdles.

**Prerequisites:**
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development management or equivalent is suggested.

**Included Materials:**
A 400 page course handbook is provided to each member of the class. The handbook includes copies of course slides and a list of useful online resources.

**Designed for...**
- Software testers
- Business analysts
- Test managers
- QA specialists
- Scrum teams
- Test engineers

**“Excellent class! Highly recommended and very informative...”**
- Geoffrey Pollich
  QA Manager, Gartner

**COURSE OUTLINE:**
Agile: what is it?
- How did we get here?
- Scrum, XP, and common practices related to testing
- Continuous integration

What Agile means for testing
- Limitations of unit testing and acceptance testing
- Test methods and techniques for Agile
- Skills for Agile test engineers

Test artifacts in Agile
- User stories and test cases
- Test plans

New classes of tools

Test automation in Agile
- Large-scale automation regression
- Action based and keyword based testing

Agile projects with outsourced and/or offshore teams

Agile testing roundtable
- Common testing problems in Agile
- Using the sprint retrospective
- Process improvement

**FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM**
This two-day course is designed to give test engineers a global understanding of exploratory testing, from why we do it and its uses to how we do it and how it is communicated. Exploratory testing will be examined and practiced to empower test engineers in using this method to find bugs earlier, focus on customer satisfaction, and make exploratory testing more manageable as a necessary test method.

Exploratory testing is much more powerful at bug finding than traditional scripted testing. As compared to traditional manual scripted testing, it involves less overhead. With the increasing adoption of Agile methodologies, the need for exploratory testing is expected to continue to increase. In this class, we will discuss various topics exploratory testing presents: measurement, coverage, and task estimation.

**Prerequisites:**
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development management or equivalent is suggested.

**Included Materials:**
A 400 page course handbook is provided for each member of the class. The handbook includes copies of course slides and a list of useful online resources.

**Designed for...**
- Software testers
- Business analysts
- Test managers
- Test specialists
- QA specialists
- Project managers

"This class made me a better and smarter tester."

- Ali Ferdows
  Software Quality Lead, Palm Computing
This two-day course offers an intensive workshop covering the most effective testing methods and test case development strategies. Effective Test Case Design and Management is designed for those who already have a solid understanding of software quality and testing.

Many testers and test leads dread the greater demand for documenting their work even as more groups move to use test management tools. This course discusses strategies and solutions to deal with that problem.

Provided are hands-on examples and practical methods for effective software testing and test communication throughout a software development life cycle. Also included are best practices for documenting test cases for automation. The course will teach you and your team how to create useful test cases, test matrices, and models.

Prerequisites:
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development management or equivalent is suggested.

Included Materials:
A 300 page course handbook is provided for each member of the class. The handbook includes copies of course slides, a few recent publications and a list of useful print and online resources.

Designed for...
Software testers
Business analysts
Test managers
Testers
Test engineers
QA specialists
Project managers

"...Comprehensive, informative, and entertaining." - Patric Ellis
QA Engineer, Xing Technology

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM
This two-day course focuses on developing a strategic approach to test project management, effective communication, test planning, bug-database management, resource planning, and successful test execution as well as some of the “soft” skills needed to lead and manage a team. Implementation and use of test management tools will also be covered. The course teaches students to maximize test productivity while minimizing quality risks and stress.

Testing is a sub-project within an overall development project. To be successful, testing needs to be managed effectively while also addressing testing’s unique aspects, which can make everything even more challenging than the already difficult job of managing a typical project. This interactive course demonstrates how to manage testing as a project that provides high-quality results on time and within budget. Leading Software Test Projects with Confidence also helps test leads effectively communicate the value of their testing; work with offshore teams; deal with project politics; and negotiate for scarce time, resources, and influence.

Prerequisites:
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development management or equivalent is suggested.

Included Materials:
A 400 page course handbook is provided for each member of the class. The handbook includes copies of course slides, sample project test schedules, project map, sample test plan materials, sample matrices, graphs, practical exercises, and lists of useful print and online resources.

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM
This two-day interactive course is designed to give test engineers useful techniques and applications of technologies that enable them to test earlier, test more effectively, and test efficiently. The course discusses testing in Agile and traditional development projects.

Through various exercises and examples this class will help you develop expanded strategies and skills. From analyzing and rerunning unit and integration tests to figuring out what tests you or a developer ought to be running, today’s more sophisticated projects require smarter testing. We also discuss some tools for testers to execute smarter tests. Many of the same techniques can be applied to API and interoperability testing. They are particularly useful for testing on newer, faster development projects using Agile, eXtreme, or Scrum. The goal is to demystify early testing and look for ways to maximize your testing effort. Test teams can also use alternative test design methodologies other than the requirements-based testing approach.
This two-day course discusses the impact of global software development on both traditional and Agile development. We focus on developing a strategic approach to distributed test project management, effective communication, bug-database management and metrics, resource evaluation, and successful test execution as well as many of the “soft” skills needed to lead and manage offshore teams. Implementation and use of test management tools and documentation will also be covered. Application of these concepts will be demonstrated in class examples, discussion and exercises. In this class, you learn how best to prepare yourself for leading and managing offshore teams to maximize test productivity while minimizing quality risks and stress.

Leading an offshore team is more complex than managing a local team and presents issues that home teams may not typically encounter. Through entertaining learning activities you will gain vital insight into how to properly deal with language barriers, dissimilar cultures, and communicating across time zones.

**COURSE OUTLINE:**

- Overview of leading offshore test projects
  - How is distributing tasks different than co-location?
  - Set expectations for best performance
- Distributed project problems and their effects
- Test strategy and planning
  - Resource planning and evaluation
  - Metrics and management tools
- Common issues for test leads
  - Leadership and coaching
  - Team building
- Communication: the key to successful projects
  - Foster good communication
  - Knowledge transfer
- Soft skills: building trust
  - Work across cultures
  - Potential cultural problems
- Training: the solution to avoid problems
  - Staff retention and turnover
- Closing out the test project
  - Activities during final phase
  - How to conduct useful postmortems

**Prerequisites:**

Completion of Testing Computer Software, one year of experience in software testing, and one year of experience in software development or equivalent is suggested. A full understanding of quality theory, project sizing and estimation, various test strategies, and experience documenting test projects is also helpful.

**Included Materials:**

A 400 page handbook is provided for each member of the class. The handbook includes copies of course slides, sample project test schedules, project map, sample test plan materials, sample matrices, graphs, practical exercises, and lists of useful print and online resources.

**Designed for:**

- Software testers
- Test engineers
- Project managers
- Test leads
- Test managers
- QA managers

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“Thanks for an outstanding class. I came away with lots of good information and plenty of ideas that will help our team. In addition, I found the course very motivating which, I believe, is worth as much as technique”

- Matthew Laun
  QA Manager, Adobe Systems
This 1-day, hands-on course will provide you with the essentials of Action Based Testing™ (ABT). You will be equipped with the knowledge and processes for efficient test development and design that makes large-scale test automation possible.

The course covers the key concepts of ABT, and provides step-wise processes to properly design test modules and test cases. Hands-on exercises using ABT will reinforce the concepts presented. The course exclusively covers ABT. Use of the TestArchitect automation toolset is covered in other courses. As part of the training you will receive a course handbook (approximately 150 pages). The handbook includes copies of the presentation materials, recent publications, and a list of additional print and digital resources.

Prerequisites:
Some experience with test development is recommended

Included Materials:
All attendees will receive a 150 page handbook that includes copies of the course slides, a few recent publications, and a list of useful print and online resources.

Designed for...
Software testers
Business analysts
Test managers
Quality assurance specialists
Project managers

COURSE OUTLINE:
- Test Design Challenges and Why ABT
- Action Based Testing Concepts
- Two-Phase Test Design
- Test design exercises

WHAT’S COVERED
- How to address the challenges of test automation with good test design
- ABT Concepts - test module and test design, action-based test creation, and automation solution

PRICE
$3,000 plus travel

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM
LEADING SOFTWARE TEST PROJECTS WITH CONFIDENCE
Running an effective and efficient testing team

This two-day course focuses on developing a strategic approach to test project management, effective communication, test planning, bug-database management, resource planning, and successful test execution as well as some of the “soft” skills needed to lead and manage a team. Implementation and use of test management tools will also be covered. The course teaches students to maximize test productivity while minimizing quality risks and stress.

Testing is a sub-project within an overall development project. To be successful, testing needs to be managed effectively while also addressing testing’s unique aspects, which can make everything even more challenging than the already difficult job of managing a typical project. This interactive course demonstrates how to manage testing as a project that provides high-quality results on time and within budget. Leading Software Test Projects with Confidence also helps test leads effectively communicate the value of their testing; work with offshore teams; deal with project politics; and negotiate for scarce time, resources, and influence.

COURSE OUTLINE:
Overview of test project planning
- What is a test lead?
- A different understanding of quality
Understanding a software project
- Test project size estimation methods
- Coverage and test goals
- Resource allocation and planning
- Risk based testing: prioritizing and selection
- Negotiations and agreements
- Making a project schedule
The test plan
Test project documentation or deliverables
- Test case management tool
- The bug tracking system
- Project and bug metrics
- Reporting progress: status reports
Common issues for test leads
- Leadership
- Fostering good communication
- Hiring and outsourcing
Closing out the test project
- Activities during final phase
- How to conduct useful postmortems

Prerequisites:
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development management or equivalent is suggested.

Included Materials:
A 400 page course handbook is provided for each member of the class. The handbook includes copies of course slides, sample project test schedules, project map, sample test plan materials, sample matrices, graphs, practical exercises, and lists of useful print and online resources.

Designed for...
Software testers
Test engineers
Project managers
Business managers
Project leaders
Business analysts
QA leads
Test leads

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM

"Thanks for the great class. I really enjoyed the time I spent there and have brought back a great deal of information to pass along to our process improvement meeting."

- Ivan Roberts
Sr. QA Engineer, Intuit
APPLIED TESTING FOR TEST ENGINEERS
Expanding your testing expertise

This two-day interactive course is designed to give test engineers useful techniques and applications of technologies that enable them to test earlier, test more effectively, and test efficiently. The course discusses testing in Agile and traditional development projects.

Through various exercises and examples this class will help you develop expanded strategies and skills. From analyzing and rerunning unit and integration tests to figuring out what tests you or a developer ought to be running, today’s more sophisticated projects require smarter testing. We also discuss some tools for testers to execute smarter tests. Many of the same techniques can be applied to API and interoperability testing. They are particularly useful for testing on newer, faster development projects using Agile, eXtreme, or Scrum. The goal is to demystify early testing and look for ways to maximize your testing effort. Test teams can also use alternative test design methodologies other than the requirements-based testing approach.

Prerequisites:
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development or equivalent is suggested. Some familiarity with programming is helpful for understanding the more technical examples. However, non-technical people are also encouraged to enroll.

Included Materials:
An extensive course handbook is provided for each member of the class. The handbook includes copies of course slides, recent articles, and lists of print and online resources.

Designed for...
Experienced software testers
Test engineers
Project managers
Quality engineers
Test leads

“Thank you for a very enjoyable day! I came away with many useful tools.”
- Joelle Truett
Project Manager, Cisco Systems

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM
This two-day course focuses on developing a strategic approach to test project management, effective communication, test planning, bug-database management, resource planning, and successful test execution as well as some of the “soft” skills needed to lead and manage a team. Implementation and use of test management tools will also be covered. The course teaches students to maximize test productivity while minimizing quality risks and stress.

Testing is a sub-project within an overall development project. To be successful, testing needs to be managed effectively while also addressing testing’s unique aspects, which can make everything even more challenging than the already difficult job of managing a typical project. This interactive course demonstrates how to manage testing as a project that provides high-quality results on time and within budget. Leading Software Test Projects with Confidence also helps test leads effectively communicate the value of their testing; work with offshore teams; deal with project politics; and negotiate for scarce time, resources, and influence.

**Prerequisites:**
Completion of Testing Computer Software, six months of experience in testing, and one year of experience in software development management or equivalent is suggested.

**Included Materials:**
A 400 page course handbook is provided for each member of the class. The handbook includes copies of course slides, sample project test schedules, project map, sample test plan materials, sample matrices, graphs, practical exercises, and lists of useful print and online resources.

**Designed for...**
- Software testers
- Test engineers
- Project managers
- Business managers
- Project leaders
- Business analysts
- QA leads
- Test leads

“Thanks for the great class. I really enjoyed the time I spent there and have brought back a great deal of information to pass along to our process improvement meeting.”

- Ivan Roberts
Sr. QA Engineer, Intuit
Have a unique testing requirement that is not handled by our standard classes? Having a hard time finding a testing class that fits your specific need?

There are certain topics that are unique to some organizations that other organizations do not need. We are often asked about topics outside of our main course content and if our instructors will customize existing classes to include these new topics.

LogiGear University can help! Our instructors are accomplished professionals who can draw on their practice based experience to help create new content or mix and match course material to meet your unique requirements. We can develop new exercises based on your specific systems, products, devices, processes, test case manager, or bug tracking tool.

Recent Custom Courses:
- Training Global Teams
- Visual Studio ALM
- Visual Studio for Test Teams
- Managing Knowledge Workers

Today's testing teams must...
- Do more in less time with fewer resources
- Test larger and more complex systems
- Collaborate with team members around the world
- Communicate among teams using different tools, processes and terminology
- Be more Agile

Select Clients:
- Salesforce
- Intuit
- Cisco
- Google
- Texas Instruments
- Visa
- Wells Fargo
- Intel

TRAINING RATES

**Standard Rates:**
- $595/person for one day classes
- $1125/person for two day classes
- $1495/person for three day classes

**Custom Rates:**
- $2000/day to customize plus standard rates

Any travel required for on site training will be charged in addition to the training costs. Travel costs will be agreed upon prior to class scheduling and will not exceed the amount specified in the contract.

Rates subject to change. Volume discounts available. Minimum class size for each course is 10 students.

FOR MORE INFORMATION, CALL 800.322.0333 OR EMAIL TRAINING@LOGIGEAR.COM
LogiGear Corporation provides global solutions for software testing and offers corporate software testing training programs worldwide. LogiGear is a leader in the integration of test automation, offshore resources and US project management for fast, cost-effective results. Since 1994 LogiGear has worked with Fortune 500 companies as well as early stage start-ups to create unique solutions to meet clients’ needs.