



# Software Testing Foundation Level

Lecture 0 – Introduction

Uwe Gühl



# Contents

- 0.1 Administrative
- 0.2 ISTQB
- 0.3 Examination
- 0.4 Contents of the Course
- 0.5 Sources

# Contents

- 0.1 Administrative
- 0.2 ISTQB
- 0.3 Examination
- 0.4 Contents of the Course
- 0.5 Sources

# Administrative

- Lecturer:

Uwe Gühl

Mail: [uweguehl@hotmail.com](mailto:uweguehl@hotmail.com)

Kanjana Eiamsaard

Mail: [kanjana@eng-src.ku.ac.th](mailto:kanjana@eng-src.ku.ac.th)

- Lecture documentation:

- <https://www.facebook.com/DAT.KUSRC/>



- <https://mike.cpe.ku.ac.th/~uwe>

# Administrative

- Time schedule
  - Fri, 14. Feb 2020 4.30 pm – 7.30 pm
  - Sun, 16. Feb 2020 9.00 am – 4.00 pm
  - Fri, 21. Feb 2020 4.30 pm – 7.30 pm
  - Sun, 23. Feb 2020 9.00 am – 4.00 pm
  - Fri, 28. Feb 2020 4.30 pm – 7.30 pm
  - Sun, 1. Mar 2020 9.00 am – 4.00 pm
  - Fri, 6. Mar 2020 4.30 pm – 7.30 pm
  - Fri, 13. Mar 2020 4.30 pm **Examiantion**

# Administrative

## Legend

- **Software Testing Term** as defined in ISTQB glossary related to Certified Tester Foundation Level 2018, V3.1
- Link to section for more information, for example **black box testing** 
-  Additional information – not relevant for examination

# Contents

- 0.1 Administrative
- 0.2 ISTQB
- 0.3 Examination
- 0.4 Contents of the Course
- 0.5 Sources

# ISTQB

- ISTQB ® stands for International Software Testing Qualifications Board
- founded in November 2002
- not-for-profit association legally registered in Belgium
- de facto standard in the certification of software testing competences
- Vision  
To continually improve and advance the software testing profession by:  
Defining and maintaining a Body of Knowledge which allows testers to be certified based on best practices, connecting the international software testing community, and encouraging research.



# ISTQB

- Facts and figures
  - Number of exams administered: 920,000+
  - Number of certifications issued: 673,000+
  - Number of Member Boards: 63
  - Number of countries directly covered by Member Boards: 100
- Thailand Software Testing Board (THSTB)  
Contact: Walaiphorn Prainpanawate  
walaiphornp@thstb.org

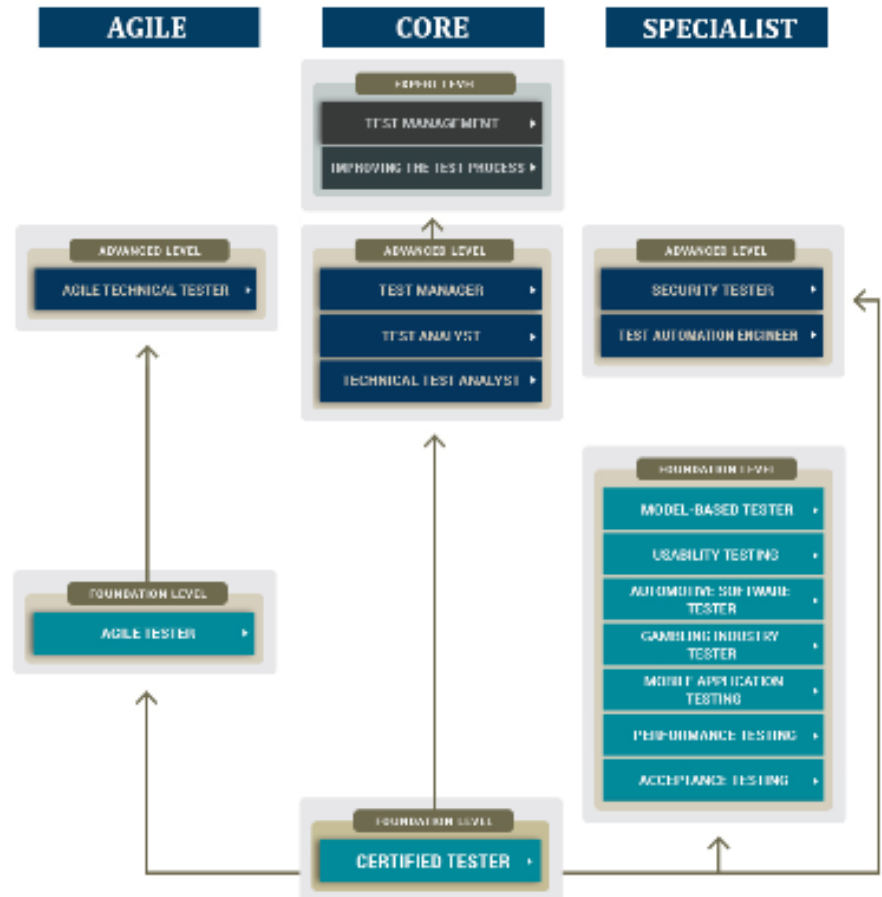
# ISTQB



Source: [istqb.org](http://istqb.org), October 2019

# ISTQB

- Levels and modules



# Contents

- 0.1 Administrative
- 0.2 ISTQB
- 0.3 Examination
- 0.4 Contents of the Course
- 0.5 Sources

# Examination

- Fri, 13. Mar 2020      4.30 pm
- Duration:
  - 60 minutes regularly
  - 75 minutes if English is not the first language
- 40 multiple-choice questions
- 65 % of all questions must be answered correctly to pass

# Contents

- 0.1 Administrative
- 0.2 ISTQB
- 0.3 Examination
- 0.4 Contents of the Course
- 0.5 Sources

# Contents of the Course

The course is based on the “Certified Tester Foundation Level Syllabus Version 2018 V3.1” and covers

1. Fundamentals of Testing
2. Testing Throughout the Software Development Lifecycle
3. Static Testing
4. Test Techniques
5. Test Management
6. Tool Support for Testing

# Contents of the Course

## ISTQB® - FOUNDATION LEVEL

Fundamentals of Testing	Testing Throughout the Software Development Lifecycle	Static Testing	Test Techniques	Test Management	Tool Support for Testing
What is Testing?	Software Development Lifecycle Models	Static Testing Basics	Categories of Test Techniques	Test Organisation	Test Tool Considerations
Why is Testing Necessary?	Test Levels	Review Process	Black-box Test Techniques	Test Planning and Estimation	Effective Use of Tools
Seven Testing Principles	Test Types		White-box Test Techniques	Test Monitoring and Control	
Test Process	Maintenance Testing		Experience-based Test Techniques	Configuration Management	
The Psychology of Testing				Risk and Testing	
				Defect Management	

Source: [istqb.org](http://istqb.org)



# Contents

- 0.1 Administrative
- 0.2 ISTQB
- 0.3 Examination
- 0.4 Contents of the Course
- 0.5 Sources

# Sources

- International Software Testing Qualifications Board (ISTQB): Certified Tester Foundation Level Syllabus Version 2018 V3.1, <http://www.istqb.org/>
- International Software Testing Qualifications Board (ISTQB): Standard Glossary of Terms used in Software Testing, Version 3.3, <http://glossary.istqb.org/>, 2020
- Open source software testing tools, <http://www.opensourcetesting.org>
- Andreas Spillner, Tilo Linz, Hans Schaefer: Software Testing Foundations: A Study Guide for the Certified Tester Exam, 4<sup>th</sup> edition, 2014
- Glenford J. Myers, Tom Badgett, Corey Sandler: The art of software testing, 3<sup>rd</sup> edition, 2012

## ... more:

- Cem Kaner, Jack Falk, Hung Quoc Nguyen: Testing Computer Software, Wiley Computer Publishing, 1999
- Cem Kaner, James Bach, Bret Pettichord: Lessons Learned in Software Testing, Wiley Computer Publishing, 2002