# Reading

To keep costs down for student we are using ebook available from the McKay Library.

Most of the e-book are found in the McKay Library.

* Got to the McKay Library’s website using your net-id
  + Graphical user interface, website

    Description automatically generated
* For O’reilly books
  + Click on A-Z, then I for IEEE.
    - A picture containing shape

      Description automatically generated
  + Open IEEE Xplorer website  
    Graphical user interface, application, website

    Description automatically generated
  + In the search bar, search for “29148-2011”  
    Graphical user interface, application, website

    Description automatically generated
  + You should see, “ISO/IEC/IEEE International Standard - Systems and software engineering -- Life cycle processes --Requirements engineering”, click on the PDF icon to download the paper.
  + Open the Safari/O’reilly website and search for
    - Software Testing, 4th Edition by Paul C. Jorgensen
    - Software Testing, Second Edition by Ron Patton
* For EbookCentral
  + Click on A-Z, then E, and look for EbookCentral.
  + Graphical user interface, application, website

    Description automatically generated
  + Text

    Description automatically generated with medium confidence
  + Open the webside and search for Fundamentals of Software Testing

Other articles have a link but iff, for some reason, you are not able to access an article using the links above, follow the below process:

* Go to the McKay Library's webpage
* Using the link (such as title or author), fill out a search using the Library's search bar. Usually, the title of the article works just fine.
* Find the article in the results from the search, click on its link.
* Look at the left-hand side of the article's page. All articles are accessible on this page, but others may require you to download the article's pdf.
* Week 01: Business Case
  + Find two news articles on Testing.
* Week 02: Testing Fundamentals
  + You are going to find an organization, association, or institute on Testing
  + "IEEE Software Engineering Book of Knowledge". Read Chapter 4 on "Software Testing". <https://www.computer.org/education/bodies-of-knowledge/software-engineering>
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 2 The Software Development Process: Product Components
* Week 03: Software Methodologies.
  + Software Testing, 4th Edition by Paul C. Jorgensen Published by Auerbach Publications, 2013 <https://learning.oreilly.com/library/view/software-testing-4th/9781466560680/>
    - Chapter 11: Life Cycle-Based Testing
    - Chapter 22: Software Technical Reviews
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 2: The Software Development Process
    - Chapter 6: Examining the Code
  + Fundamentals of Software Testing by Bernard Homès , and Bernard Homes, Publisher John Wiley & Sons, Incorporated Date 2012-01-17 <https://ebookcentral.proquest.com/lib/byui/reader.action?docID=1120766&ppg=75>
    - Chapter 2.1: Testing Throughout the Software Lifecycle
  + R. Juric, "Extreme Programming and its Development Practices" 22nd Int. Conf. Information Technology ITI 2000, Jun. 2000
    - [Online] Available: <http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=915842&tag=1>
  + M. James, "What Is Agile Methodology?," Oct. 2008,
    - [Online] Available: <http://agilemethodology.org/>
* Week 04: Testing Techniques
  + J. Itkonen et al., "The role of the tester's knowledge in exploratory software testing," IEEE Trans. on Softw. Eng., vol. 39, no. 5, pp. 707-724, May 2013, [Online] Available: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6298893&isnumber=6509864>
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 4 Examining the Specification
    - Chapter 11: Usability Testing
* Week 05: Quality Assurance Measurements
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 21: Software Quality Assurance
  + J. Miguel et al. "A review of software quality models for the evaluation of software products," International Journal of Software Engineering & Applications, vol. 5, no. 6, pp. 31-54, Nov. 2014, [Online] Available:
    - <http://airccse.org/journal/ijsea/papers/5614ijsea03.pdf>
  + M. Paulk et al., "Capability Mature Model for Software, Version 1.1," Chapter 1-3 IEEE Software, vol. 10, no. 4, pp. 18-27, Jul. 1993. [Online] Available:
    - <http://dx.doi.org.byui.idm.oclc.org/10.1109/52.219617>
  + T. Schorsch, "The Capability Im-Maturity Model (CIMM)," [Online] Available: <http://www.grisha.ru/cmm/cimm.htm>
* Week 06: Testing Tools
  + Research an assigned Testing Tool
* Week 07: Test Cases
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 15: Automated testing and Test tools
    - Chapter 18: Writing and Tracking Test Cases
* Week 08: Regression Testing
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005
    - <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
      * Chapter 3: The Realities of Software Testing
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005, <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 5 Testing the Software with Blinder On
* Week 09: Integration Testing
  + Software Testing, 4th Edition by Paul C. Jorgensen Published by Auerbach Publications, 2013, <https://learning.oreilly.com/library/view/software-testing-4th/9781466560680/>
    - Chapter 13: Integration Testing.
  + Fundamentals of Software Testing by Bernard Homès , and Bernard Homes, Publisher John Wiley & Sons, Incorporated Date 2012-01-17
    - <https://ebookcentral.proquest.com/lib/byui/reader.action?docID=1120766&ppg=75>
    - Chapter 8: Templates and Models
* Week 10: Verification and Validation
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 16: Bugs Bashes and Beta Testing
    - Chapter 19: Reporting what you find.
    - Chapter 20: Measuring your success.
  + <https://www.softwaretestingmaterial.com/write-good-bug-report/>
  + IEEE Std 829-2008: IEEE Standard for Software and System Test Documentation
    - Section 14
* Week 11: Architecture Testing
  + Software Testing, 4th Edition by Paul C. Jorgensen Published by Auerbach Publications, 2013, <https://learning.oreilly.com/library/view/software-testing-4th/9781466560680/>
    - Chapter 17: Model-Based Testing for System of Systems.
* Week 12: Testing Issues
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005
    - <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 13. Testing for Software Security
  + Fundamentals of Software Testing by Bernard Homès , and Bernard Homes, Publisher John Wiley & Sons, Incorporated Date 2012-01-17
    - <https://ebookcentral.proquest.com/lib/byui/reader.action?docID=1120766&ppg=75>
    - Chapter 5.6: Risk Management
* Week 13: Project Management
  + [Software Testing, Second Edition](https://learning.oreilly.com/library/view/software-testing-second/0672327988/) by Ron Patton Published by [Sams](https://learning.oreilly.com/library/publisher/sams/), 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 17: Planning your test Effort
* Week 14: Testing Career Paths.
  + Software Testing, Second Edition by Ron Patton Published by Sams, 2005
    - <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
    - Chapter 22: You Career as a Software Tester
  + Software Testing, 4th Edition by Paul C. Jorgensen Published by Auerbach Publications, 2013
    - <https://learning.oreilly.com/library/view/software-testing-4th/9781466560680/>
    - Chapter 23: Epilogue: Software Testing Excellence

## Reading by Book and Chapter

* IEEE SWEBoK IEEE SWEBoK Chap 1 SW Requirements Validation - Module 10
  + IEEE SWEBok Chap 2 SW Design - Module 10
  + Chapter 4 on "Software Testing" - Module 01
* Software Testing, 4th Edition by Paul C. Jorgensen Published by Auerbach Publications, 2013 <https://learning.oreilly.com/library/view/software-testing-4th/9781466560680/>
  + Chapter 8: Path Testing - Module 11
  + Chapter 9: Data Flow Testing - Module 11
  + Chapter 11: Life Cycle-Based Testing - Module 03, 07
  + Chapter 13: Integration Testing - Module 09
  + Chapter 14: System Testing - Module 10
  + Chapter 15: Object-Oriented Testing - Module 07
  + Chapter 17: Model-Based Testing for System of Systems. - Module 10
  + Chapter 22: Software Technical Reviews - Module 12
  + Chapter 23: Epilogue: Software Testing Excellence - Module 14
* Software Testing, Second Edition by Ron Patton Published by Sams, 2005 <https://learning.oreilly.com/library/view/software-testing-second/0672327988/>
  + Chapter 2: The Software Development Process - Module 03, 10
  + Chapter 3: The Realities of Software Testing - Module 07, 08
  + Chapter 4 Examining the Specification - Module 10
  + Chapter 5 Testing the Software with Blinder On - Module 09
  + Chapter 6: Examining the Code - Module 07, 11
  + Chapter 9 Compatibility Testing - Module 10, 12
  + Chapter 10. Foreign-Language Testing - Module 12
  + Chapter 11: Usability Testing - Module 11
  + Chapter 12 Testing the Documentation - Module 11
  + Chapter 13. Testing for Software Security - Module 13
  + Chapter 15: Automated testing and Test tools - Module 07, 08
  + Chapter 16: Bugs Bashes and Beta Testing - Module 10
  + Chapter 17: Planning your test Effort - Module 13
  + Chapter 18: Writing and Tracking Test Cases - Module 13
  + Chapter 19: Reporting what you find - Module 08, 13
  + Chapter 20: Measuring your success - Module 13
  + Chapter 22: You Career as a Software Tester - Module 14
* Fundamentals of Software Testing by Bernard Homès , and Bernard Homes, Publisher John Wiley & Sons, Incorporated Date 2012-01-17 <https://ebookcentral.proquest.com/lib/byui/reader.action?docID=1120766&ppg=75>
  + Chapter 2.1: Testing Throughout the Software Lifecycle - Module 03
  + Chapter 4.4 Structure-based techniques - Module 08
  + Chapter 5.6: Risk Management - Module 12
  + Chapter 8: Templates and Models - Module 09