
Introduction

INFO/CSE 100, Winter 2005
Fluency in Information Technology

<http://www.cs.washington.edu/100>

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Readings and References

- Reading
 - » *Fluency with Information Technology*
 - Almost all reading assignments will be from this textbook
 - Occasionally there may be readings on handouts
- References
 - » All information about this class is on the web
<http://www.cs.washington.edu/100>
 - » See the Other Links page for further info about some of the topics mentioned in these slides

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About This Class

- Fluency with Information Technology (FIT)
 - » This is the state-of-the-art IT class for non-techies
 - “Fluency” is better than computer “literacy”
 - FITness concept from National Science Foundation study
 - FITness teaches how to use IT today ...
 - ... and how to learn IT throughout life

UW was first in the
US with a FIT class



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Being Fluent

- FIT100 teaches you to be fluent with technology
 - » You will use Information Technology freely and easily to do the things you want to do
 - » Technology will not “be in the way”
 - » You will be better able to recover from bugs, errors or unexpected situations



You will be in control and confident ...
... now and in the future!



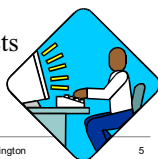
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The Content

- FIT100 helps you become Fluent by teaching
 - » *Skills* like email, word processing, ...
 - » *Concepts* like how networks work, building Web pages with HTML, ...
 - » *Capabilities* like how to find accurate information on the WWW, debugging, ...
- Integrates content by using projects



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Lifetime of Learning

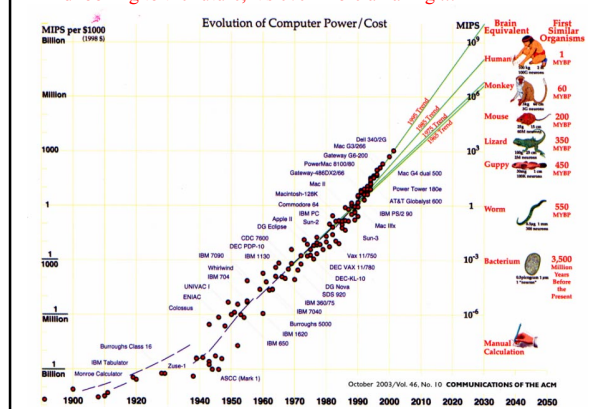
Eniac:
Completed: 1946
Programmed: plug board and switches
Speed: 5,000 operations per second
Input/output: cards, lights, switches, plugs
Floor space: 1,800 square feet



- Why is lifelong learning emphasized?
 - » A college education has about a 55 year “useful life”
 - » What to teach the class of 1944?
 - The first computers were developed in the early 1940's
 - First packet sent on “Internet” in 1969
 - PC as “Personal computer” used in ~1980
 - WWW came “on the scene” in 1994



And looking to the future, it's even more amazing ...



A Career of Learning

- Learn ...
 - » how to continuously learn new things
 - » how to stay comfortable even though you don't know everything about a particular topic
- You are going to get the chance to work on some fantastic things during your career that we can only speculate about now
 - » Enjoy the ride!



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CSE100/Info100

- FIT100 is offered by Computer Science & Engineering Department (CSE100) and the Information School (Info100)
 - It doesn't matter which you registered for
 - FIT100 has no prerequisites except being a student at UW
 - FIT100 is for "non technical" students
 - If you are a "techie" e.g. plan to major in science, engineering, architecture... take CSE 142 next

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Is FIT100 for You?

- Take FIT100 if you ...
 - » Want to learn application & science of information technology (IT)
 - » Want to prepare for a lifetime of expanding your use of IT
 - » Are willing to think and study intensively
 - » Can attend all classes and labs
 - » Can devote "5 credits" of study this term

FIT100 is worth it ... you'll use this class for a lifetime

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But, Maybe Not

- Do not take FIT100 if
 - » You only want to learn a few skills like word processing, email, Web, etc. For that, see:
<http://www.washington.edu/computing/catalog/gen/Catalog.html>
 - » You don't have time to attend class, lab
 - » You want a good grade with little work
 - » You expect someone else to do the work

FIT100 is offered every term ... take it later

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Some Thoughts about Grades

- Looking at the numbers ...
 - » 4.0-2.0 Students who passed with 2.0 or better came to all classes, prepared for quizzes, read book, came to all labs, took all exams
 - » 1.9-0.0 Students who did poorly skipped classes (and so missed quizzes), skipped labs, didn't attempt parts of projects ...
 - » 9 Students in recent quarter sent to Conduct Committee and got Academic Probation

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Taking FIT Is Worth It

- Previous students said ...
 - » “FIT100 was very valuable, even though it involved a lot of work (and I do mean LOT)”
 - » “FIT100 expanded and brought precision to my thinking”
- If you can commit to FIT -- Welcome
- If this isn't the term, withdraw so some other student can have a chance

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Text

Clicker

Web Site: <http://www.cs.washington.edu/100>

Readings

- We will follow Fluency with Information Technology (FIT) closely
 - » Readings are assigned for each class
 - » Reading the material before class will ...
 - make the lectures much more useful
 - prepare you for the unannounced quizzes
 - » What do you do if you don't know what has been assigned?

For Wednesday 2:30-3:30 PM

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An Assignment

- Assignment 1 is a treasure hunt
 - » Find the class web page
 - » Locate Assignment 1
 - » Print it out
 - » Using the syllabus, answer the questions
 - » Turn it in Friday in class

If you're here hoping to register for FIT100 when someone drops, do this assignment!

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Summary

- FIT100 is a serious class that requires effort, but it delivers knowledge you can use now and throughout life
 - FIT100 is Skills, Concepts, Capabilities
 - Good study habits are key to success
 - Have no time? Want easy class? Skip FIT
 - Teaching staff is here to help you learn

FIT100 may be the coolest class you ever take