



Welcome to FIT100

(CSE100 and INFO100)

Fluency with Information Technology

D.A. Clements, Instructor



About This Class

Fluency with Information Technology
--**FIT** for short--is the state-of-the-art **IT**
class for non-techies

- FIT goes beyond computer literacy
- FITness concept from NSF/NRC 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



Video

- Background and History



Being Fluent

FIT100 teaches you to be Fluent with IT

What does that mean for you?

- Using IT freely and easily
 - Making technology your friend
 - Recovering from bugs, errors, or unexpected situations
 - Being in control and confident
- ... now and in the future

Becoming Fluent is no small feat!



The Content

FIT100 helps you become Fluent by teaching ...

- * Skills, like spreadsheets, databases, ...
- * 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



Video

- Skills, Concepts, and Capabilities



Lifetime of Learning

Why is lifelong learning emphasized?

- Consider a college education as a “product” with a 50-year “useful life”

Your career

- * What did the class of 1957 need to know about technology to be still employed today?



Lifetime of Learning

- What did the class of 1957 learn about technology?
 - The first computers were developed in the 1940s
 - First packet sent on the "Internet" in 1969
 - PC as the personal computer was used ~1980
 - WWW was developed in 1994

No fixed set of topics is "everything" you need



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 CSE142



Is FIT100 for You?

Take FIT100 if you want to...

- * learn applications & the science of IT
- * prepare for a lifetime of expanding your use of IT

and you are willing to ...

- * think and study intensively
- * attend all lectures and labs
- * devote "5 credits" of study time *this* term

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



But, Maybe Not

Do *not* take FIT100 if you

- * want to learn only a few skills like word processing, email, Web, etc.

www.washington.edu/computing/catalog/gen/Catalog.html

- * don't have time to attend class, lab
- * want a good grade with little work...
FIT100 doesn't repeat classes you've had
- * expect someone else to do the work

FIT100 is offered every term ... take it later



Some Stats

Looking at the numbers ...

- 2.0-4.0 GPA Students who passed came to all classes, prepared for quizzes, read book, came to all labs, took all exams
- 0.0-1.9 GPA 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 ¹²



Taking FIT Is Worth It

Previous students said ...

"FIT100 was very valuable, even though it involved a lot of work (and I do mean a 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

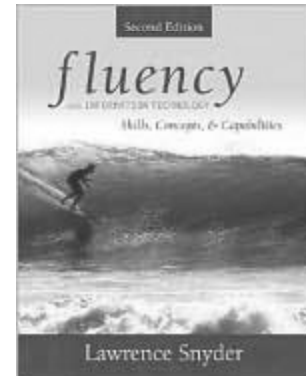


Class Mechanics

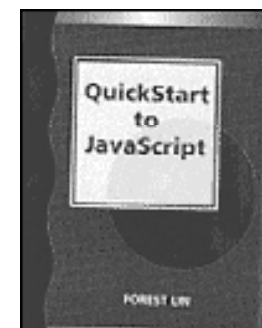
Textbooks

Fluency with Information Technology, L. Snyder, Addison-Wesley

All details are in the syllabus



QuickStart with JavaScript, F. Lin, Addison-Wesley

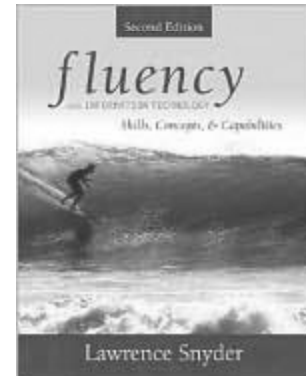




Class Mechanics

Textbooks

Fluency with Information Technology L. Snyder, Addison-Wesley



Grading All details are in the syllabus

- 13 Labs and Homework Assignments
- 3 Projects (each with 2 parts)
- 10 pop Quizzes: online during lab
- 10 pop Quick-Writes: during lecture



FIT100 Announcements

6 announcements that affect YOU

- * TAs and Office Hours
- * Computer Basics Lab
- * FIT100 Web site
- * Calendar gives you control!
- * Readings
- * An Assignment

See
Announcements!



Teaching Assistants

FIT100 Has 3 Great TAs ...

- Marilyn Ostergren (AE and AF)
- Kelly Smith (AB and AD)
- Marc Dupuis (AA and AC)

	31 Monday	1 Tuesday	2 Wednesday	3 Thursday	4 Friday
9 am					
10 ⁰⁰		AD (Kelly) MGH 430		AD (Kelly) MGH 430	
11 ⁰⁰					
12 pm					
1 ⁰⁰					
2 ⁰⁰	AB (Kelly) MGH 030	AE (Marilyn) OUGH 101	AB (Kelly) MGH 030	AE (Marilyn) OUGH 101	
3 ⁰⁰	AC (Marc) MGH 030	AF (Marilyn) OUGL 101	AC (Marc) MGH 030	AF (Marilyn) OUGL 101	
4 ⁰⁰	AA (Marc) MGH 030		AA (Marc) MGH 030	Click to add appointment	



Teaching Assistants

Extra help when you need it:

- Drop-in labs (MGH 430—a computer classroom)
- TA's office hours (MGH 330K)
- Instructor's office hours (MGH 330J)

	31 Monday	1 Tuesday	2 Wednesday	3 Thursday	4 Friday
10 ^{am}					
11 ⁰⁰			DA Drop-in Lab MGH430	DA's Office Hours MGH 330J	
12 ^{pm}	Kelly's Office Hours MGH 330K	Marilyn's Office Hours MGH 330K	Kelly Drop-in Lab MGH 430	Marilyn's Office Hours MGH 330K	
1 ⁰⁰					
2 ⁰⁰					
3 ⁰⁰					
4 ⁰⁰	Marc's office hour MGH 430			Click to add appointment	Marc's Office hour MGH 430
5 ⁰⁰					



Computer Basics Lab

Many students come to FIT100 knowing
email, WWW, word processing

But, if you have never used a PC ...

- * Do not fear FIT100!
- * Expect a steep learning curve
- * Come to the drop-in labs for more one-on-one time



Class Web Page

FIT100 maximizes computers & Internet

- Class Web site ... memorize it!

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

cs = computer science

/100 is all that's needed after the .edu

Everything you need to know will be on the site, espec. announcements

- Always check the Web page first!



The Calendar

The Calendar gives you control ...

↑ Week 1					
Date	Day	Lecture Topic	Readings Due	Lab Topic	Due Dates
Mar 31	Mon	Introduction [Print]		UW Network Resources (Lab 1)	HW 1 assigned Videos: <ul style="list-style-type: none"> ■ Turn on Web Publishing ■ Information for UW employees
Apr 1	Tue			UW Network Resources (Lab 1)	
Apr 2	Wed	Le Mot Juste [Print]	Chapter 1	Directories (Lab 2) Linux and UNIX (optional)	
Apr 3	Thu			Directories (Lab 2) Linux and UNIX (optional)	
Apr 4	Fri	Digerati [Print]	Chapter 2		HW 2



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 and Quick-Writes

For next class read Chapter 1

What do you do if you don't know what has been assigned? 22



An Assignment

Homework 1 is a Treasure Hunt

- * Find the FIT100 web page
- * Locate HW1
- * Using the syllabus, answer the questions
- * Turn it in Monday before Noon

If you're here hoping to register for FIT100 when someone drops, do Lab 1 and HW1. Attend lab.



Reflection

Label a piece of paper at the top with:

- * Your name
- * FIT100
- * Today's date: 3/31/2008

Choose one of these topics:

- * Describe your previous experience with technology.
- * Describe your first encounter with technology.

Write two paragraphs

Starting now...



Summary

FIT100 is a serious class that requires effort, but it delivers knowledge you can use now and throughout your life

- FIT100 is Skills, Concepts, Capabilities
- Good study habits are key to success
- Have no time? Want an easy class? Skip FIT!
- Teaching staff is here to help you learn
 - Marilyn, Marc, Kelly, and D.A.

FIT100 may be the coolest class you ever take!