Welcome to FIT100
(CSE100 and Info100)
Fluency with Information Technology
Please, take a syllabus

About This Class
Fluency with Information Technology
-- FIT for short -- is the state-of-the-art
IT class for non-techies
• FIT is better than computer literacy
• FITness concept from NSF/NRC study
• FITness teaches how to use IT today
  and how to learn IT throughout life

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About This Class
Being Fluent
FIT100 teaches you to be Fluent with IT
What does that mean?
• You will use IT freely and easily
• Technology will not “be in the way”
• You will be able to recover from bugs,
  errors or unexpected situations
• You will be 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 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

Lifetime of Learning
Why is lifelong learning emphasized?
• Technology keeps changing
  • In school your parents didn’t learn …
  • The World Wide Web, etc.
  • Googling, Mapquest, Wikis, BLOGs, etc.
  • Privacy, phishing, computer viruses, etc.
  • Voice-over-IP, Net-conferencing, etc.
  • Even CS majors didn’t learn that stuff
The 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

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Is FIT100 for You?

Take FIT100 if you …

- Want to learn application & science of IT
- Want to prepare for a lifetime of expanding your use of computers
- 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

But, Maybe Not

Do not take FIT100 if

- You only want to learn a few skills like word processing, email, Web, etc.
- You don't have time to attend class, lab
- You want a good grade with little work... FIT100 doesn't repeat classes you've had
- You expect someone else to do the work

FIT100 is offered every term ... take it later

Some Stats

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 ...
- The secret to success is good study habits

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

Class Mechanics

Text Book
Fluency with Information Technology, L Snyder, AW, 2006

Grading
- Labs and Assignments
- 3 Projects (each with 2 or more parts)
- 2 Midterms & Comprehensive Final Exam
- Mini-quizzes: Unannounced, on readings

FIT100 Announcements

5 announcements that matter to you

- TAs and Office Hours
- FIT100 Web site
- Calendar is where its at
- Readings
- An Assignment

All details are in the syllabus
Teaching Assistants
FIT100 Has 3 Great TAs...
- Jenny Liu
- Jennifer Rose
- Rosalia Tungaraza

Office Hours times & locations tba... any TA is OK

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, esp. announcements
- Always check the Web page first

The Calendar
The Calendar is the source ...

FIT100 Calendar
This calendar describes FIT100 throughout the term. All dates are "live" yet, but they will be "locked" here for lectures, labs, readings, activities, and assignments. Notice that there are two Monday holidays, and that the lab sections are scheduled two weeks hence. Notice also that there's a "Friday off" in the holiday weeks.

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Lecture</th>
<th>Topic</th>
<th>Assignment</th>
<th>Reading</th>
<th>Reading</th>
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<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 2</td>
<td>Mon</td>
<td>1-2</td>
<td>Calculation</td>
<td>Assignment 1</td>
<td>Chapter 1</td>
<td>Chapter 1</td>
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<tr>
<td>Jan 4</td>
<td>Tue</td>
<td>3-4</td>
<td>Visual C++</td>
<td>Assignment 2</td>
<td>Chapter 2</td>
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<tr>
<td>Jan 6</td>
<td>Thu</td>
<td>5-6</td>
<td>Efficient Algorithms</td>
<td>Assignment 3</td>
<td>Chapter 3</td>
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<td>Jan 8</td>
<td>Fri</td>
<td>7-8</td>
<td>Iterative Algorithms</td>
<td>Assignment 4</td>
<td>Chapter 4</td>
<td>Chapter 4</td>
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<tr>
<td>Jan 10</td>
<td>Mon</td>
<td>9-10</td>
<td>Graph Algorithms</td>
<td>Assignment 5</td>
<td>Chapter 5</td>
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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

For Friday read Chapter 1

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

An Assignment
Assignment 1 is a treasure hunt
- Find the FIT100 web page
- Locate Assignment 1
- Print it out
- Using the syllabus, answer the questions
- Turn it in Friday in class

Even if you're only "checking out" FIT100 to decide if it's for you, do this assignment

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
  - Jenny, Jennifer, Rosalia, and Hal

FIT100 may be the coolest class you ever take