CS 150 Introduction to Computer Science I	
Professor: Shereen Khoja	
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CS150 Introduction to Computer Science I	
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M 10:30am – 11:30am	
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∍ or by appointment	
CS150 Introduction to Computer Science I	
What is CS150?	
CS150 is a programming courseYou will learn	
– Syntax (Grammar)	
The mechanics of writing programs in C++	
– Design	
Use logical reasoning.How do I solve a problem with a program?	
 How do I break a problem into smaller, more 	
solvable problems?	
 No previous programming skills needed! 	
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Course Schedule

- The online schedule will be accurate and up to date. Any class changes will be reflected immediately online, go get used to using the online schedule
- Contains:
 - > Handouts
 - > Programming assignments
 - Weekly lab projects



Syllabus

- Book/Handouts
- Software
 - > Visual Studio Pro 2010
- Grades



Assignments

▶ GIFT

Lab



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Syllabus

- Working outside of class
 - > 8 hours per week
 - > 1 hour studying (not working on an assignment)

Academic Dishonesty

- Cheating
- > Penalties
- **AGrade Complaints**
- **Learning Support Services**

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Respect!

- Class starts promptly at 9:15am!
- You: Arrive on time!
- · Me: End class on time!
- Turn off your electronic devices!
- Don't log on to the computers during lecture.
- Participate! Ask questions!

How to Succeed in CS150

- · Don't miss class.
 - . Take notes
 - Bring book and notes to lab, lecture, and office hours
- · Try and read ahead
 - bring questions to class!
- Start programming assignments early
 - . they take much longer than you think
- · Do as much on your own as possible.

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How to Succeed in CS150

- Read the assignments carefully and follow all directions
- See me as soon as possible about any questions!
- · Don't forget that you are at a small school!
 - > and you are paying for it!

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How to send an effective email

To: shereen@pacificu.edu From: smit1234@pacificu.edu Subject: CS150 - exam question

Hi Shereen,

I'm studying for the exam and I ran across switch statements in the reading. Since we did not cover switch statements in class, I was wondering if switch statements could be on the exam?

T	hanks.
	iaiino,

Lesley

Homework!	
Homework assignment #1	
Fill out the survey on the class web pageBring a printed copy to my office	
DUE: By Friday 2pm	
Be prepared to discuss your answers!	
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Introduction to Computers and Programming	
Chapter 1	
CS150 Introduction to Computer Science I	
Interesting Questions?	
What is your definition of a computer?	
What is your definition of Computer Science?	
Science?	
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Interesting Questions Cont	
Can computers think?	
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Program	
• Program	
» ??	
Programming language	
A language used to write programsExamples?	
> Examples.	
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Programming Programming	
Be very specific about what you want the computer to do	
The computer follows directions precisely	
You can't just make stuff up and expect the computer to understand	
On the other hand, sometimes you don't	
know exactly what you want to do try something anything you can't hurt the	
computer	
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Programming Language

- · Machine language
 - > Zeroes and ones
 - > CPU dependent
- High level language
 - Instructions look like everyday English (sort of)
 - > Each instruction can perform many machine language instructions

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C++

- Based on the C programming language
- C++ is a high level programming language
- One of today's most popular programming languages
- · Used extensively in industry

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Your First C++ Program

Hello Shereen!

```
//****

// File name: hello.cpp
// Author: Bob Smith
// Date: 08/29/2011
// Purpose: This program displays a welcome message to
The user after the user enters their name
//**

#include <atring
using namespace std;
int main()
{
    string name;
    cout < "Type your name, then press enter" << endl;
    cin >> name;
    cout << "Type your name << "!" << endl;
    return EXIT_SUCCESS;
}

Program Output

Type your name, then press enter
```

Summary Today we have looked at: The syllabus Concept of programming A simple C++ program Next time we will: Learn how to write our first C++ program

- Completed sections 1.1 1.3 from the book
 - ⊳ Pages1-12