

# CS 101 – Fluency with Information Technology

Fall 2007

**Lecture:** MWF 9:30-10:30

Hilles 109

**Course description:** going beyond mere literacy skills, the goal is to introduce students to the concepts and capabilities of computers so they can become proficient (i.e. fluent) users, with the intellectual ability to reason about and solve complex problems, both now and in the future.

**Prerequisites:** none but the most basic experience, such as using electronic mail and browsing the web. Students with a strong high school background in mathematics or interest in programming should consider taking CS 105 instead.

**Instructor:** Steven Lindell slindell@haverford.edu (610) 896-1203

**Office hours:** WF 12:00-1:00 and by appointment KINSC L308

**Textbook:** *Fluency with Information Technology: Skills, Concepts, and Capabilities* 0321357825 2/E, Lawrence Snyder, University of Washington, Addison-Wesley, 2006.

**Laboratory:** Either M 1:00-2:00; M 2:00-3:00; Tu 10:30-11:30; or Tu 11:30-12:30 in Hilles 110

**Honor code:** You are encouraged to discuss the lecture material and collaborate on the lab problems with other students, provided the only thing you take away from those discussions is your memory or understanding of the material, *not* written solutions or computer files. No collaboration is allowed on quizzes or examinations.

**Accommodations:** Students who think they may need accommodations in this course because of the impact of a disability are encouraged to meet with me early in the semester to avoid unnecessary inconvenience and delays, and should also contact Rick Webb, Coordinator, Office of Disabilities Services (rwebb@haverford.edu, 610-896-1290) to verify their eligibility for reasonable accommodations as soon as possible.

**Evaluation:** approximate weighting of requirements that contribute to the final grade

- Participation 10%
- Labs 20%
- Homework 20%
- Projects (3) 20%
- Examinations (3) 30%

## Schedule

Date		Reading		Lab	
Week 1	9/3	Chapter 1	Part 1:  Basic principles and skills	Sign up for lab periods	
	9/5				
	9/7				
Week 2	9/10	Chapter 2			
	9/12	Chapter 3			
<del>9/14</del>					
Week 3	9/17	Chapter 4			
	9/19				
Week 4	9/21	Chapter 5			
	9/24				
Week 5	9/26	Chapter 6			
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Week 6	10/3	Chapter 7			
	<del>10/5</del>				
Week 7	10/8	Chapter 8	Part 2:  How computers work	HTML Project	
	10/10				
	10/12				
Week 8	10/22	Chapter 9			
	10/24				
Week 9	10/26	Chapter 10			
	10/29				
Week 10	10/31	Chapter 11			
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Week 11	11/7	Chapter 13		Part 3:  Organizing Data	Lab 2.1: Tracking Down the Bugs
	11/9				
Week 12	11/12	Chapter 14			
	11/14				
	11/16				
Week 13	11/19	Chapter 15			
	11/21				
Week 14	<del>11/23</del>	Chapter 16			
	11/26				
	11/28				
Week 15	11/30	Chapter 17	Part 4:  Information Handling		Lab 2.2: Algorithms
	12/3				
Week 16	12/5	Chapter 23			
	12/7				
Week 17	12/10	TBA		Part 5:  Computer Capabilities	Lab 3.1: Spreadsheet Basics
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	12/14				
Week 18	12/17	Chapter 12			
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Week 19	12/21	Chapter 17			
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Week 20	12/26	Chapter 23			
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