

	WILLIAM PATERSON UNIVERSITY OF NEW JERSEY COLLEGE OF SCIENCE AND HEALTH Computer Science Syllabus and Outline
1.	Course: CS201-02_&_03 Computer Literacy and Microcomputer Applications, 3 credits
2.	Department secretary: Carol Parken (Coach House 120) can be contacted by telephone at (973)_720-2649 and by e-mail at ParkenC@wpunj.edu .
3.	Semester offered: Spring 2003 For Section-02: Time: Monday and Wednesday 2:00-3:15am Location: Atrium Y123A For Section-03: Time: Tuesday & Thursday 11:00-12:15 Location: Atrium Y123A
4.	Faculty: Linda Kaufman, Assoc. Prof. of Computer Science Office: Coach House 213, Phone: (973)-720-2952, Email: kaufmanl@wpunj.edu Office Hours: Mon., Wed 3:30-4:30, Thurs, 12:30-1:00 (When no faculty meeting)
5.	Required Texts (42): Pfaffenberger Computers in Your Future 2003 , Prentice-Hall, 2002, ISBN 0-13-035468-6 Grauer, Robert & Maryann Barber Exploring Microsoft word 2000 , Prentice-Hall, 1999, ISBN 0-13-62098-X Website: cs.wpunj.edu/~kaufmanl - click on 201 for assignments, syllabus, announcements Diskettes (provided by the Computer Science Dept.) will be distributed. Only 1 will be distributed per student- try not to lose or break it.
6.	Course Objectives: Designed to present an overview of computers, computer science and use of computers, and the impact of computers on society. The course familiarizes students with hands-on experience and various types of applications. Popular software packages are used to introduce spreadsheets and word processing concepts and applications.
7.	Student learning outcomes: Upon completion of the course, students will be able to: <ol style="list-style-type: none"> a) Utilize computer applications including word process, spreadsheet, and presentation software for school and work related activities. b) Utilize the Web to locate information and evaluate its value. c) Understand the basic vocabulary of computing. d) Identify the main events and people in the history of computing. e) Understand the hardware and software that constitute a computing system.

- f) Participate in discussions on the social impact of computers.
- g) Understand the process and tools of software development.

Through classroom participation and discussions and various homework, papers and projects, the course also reinforces the following students learning outcomes of the university:

- a) Effectively express them selves in written and oral form.
- b) Demonstrate ability to think critically.
- c) Locate and use information.
- d) Demonstrate ability to integrate knowledge and ideas in a coherent and meaningful manner.

8 Weekly Topical outline of the course content (tentative) P=Pfaffenberger
Week
Chapter Numbers (from text), and Topic

January 21:

- 1 Intro.: Definitions: Algorithms, Hardware, software P 1
- 2 Lab-Windows

January 28:

- 1 Hardware: The System Box (How to buy a PC?) P 2
Information: Bits, Bytes, Kilobytes, Megs, Gigs
ASCII code, Binary Numbers, CPU = ALU + CU,
Main Memory, Memory - Where Programs Run,
ROM-BIOS, The Motherboard, cache, ports.

HW:P1 due

2. Lab-Windows

Feb. 4.

- 1.Storing Data P3
memory vs. storage, disk-floppy, hard, cd roms

HW:P2 due

2. Lab-Word essentials

Feb. 11

- 1. Hardware: Input and Output Devices P 4
HW:P3 due
- 2. Lab-Word, grammar spell check

Feb. 18

- 1 Software: Operating Systems (booting, multitasking, connectivity, utilities, DOS, Win95/98/2000, NT, Unix, MacOS P 5

HW:P4 due

2.Lab- Word

HW:P5 due

Feb 24

- 1 Application Software-licensing, versions, wizards P 6
2. *Exam 1 chapters 1-5 of Pfaffenberger, windows, chapter 1,2 of Word*
Feb. 26 for Section 2, Feb. 27 for Section 3

March 3

- 1 The Internet-Clients and servers, email P7
- HW:P6 due
2. Lab- Excell-Essentials.

March 10

- 1.The Web P8
- HW:P7 due
- 2.Lab- Making a web page, finish Word

March 24

- 1.Telecommunications-telephones, Modems P9
- HW: P8 due
- 2.Lab- Excell

March 31

- 1.Networks– LANs and WANs P10
- HW: P9 due
2. Lab Excell-charts
- HW: P 10 due

April 7

- 1 Privacy and Encryption/ Power Point P11
- 2 . *Exam 2 – Chapters 6-10 of Pfaffenberger, Word, Excell Essentials*
April 9 Section 2, April 10 Section3

April 14

1. Computer Crime and Security/Power Point P12
- HW: P11 due
- 2.Classes cancelled April 17, 18

April 21

- 1.Power Point –work on projects
- HW: P12 due
2. Projects due April 23, 24

April 28

1. Databases P13
 2. Programming Languages and Program Development P 15
- HW. P13 due