Introduction to Computers
Fall 2013

Lecture: MWF 10:00-10:50 a.m.; 1227 Haring

Lab:

A01 M 12:10 a.m .- 3:00 p.m.;   2020 SLB
A02 M   3:10 p.m. - 6:00 p.m.;   2020 SLB
A03 W   1:10 p.m. - 4:00 p.m.;   2020 SLB
A04 F   2:10 p.m. – 5:00 p.m.;   2020 SLB

Instructor: Prof. Patrice Koehl
Office Hours: Monday 11:00 a.m.-12 p.m. or by appointment
                        3106 EUII (Kemper Hall)

Homepage: http://www.cs.ucdavis.edu/~koehl/Teaching/ECS15/index.html

Teaching assistants: Darryl Aubrey (draubrey@ucdavis.edu) ; Sifat Hardousi (sferdousi@ucdavis.edu)
TA Office Hours: Joint with lab sessions and by appointment

Reader: Lissa Miller (lgmiller@ucdavis.edu)

Midterm Date: **TBA**, 1227 Haring
Final Date and Time: Tuesdday December 10, 3:30 pm-5:30 pm, 1227 Haring

Announcements: Please check the web page periodically for announcements.

Optional Textbooks:

Spraul, V. Anton, Computer Science Made Simple, Broadway Books, 2005, ISBN: 0-7679-1707-3.
Michael Dawson, Python programming for the absolute beginner, 2nd edition, Thomson Course
Technology, ISBN: 1-59863-112-8.
Also available online at: http://site.ebrary.com/lib/ucdavis/docDetail.action?docID=10370091

Overview:

This course provides an introduction to computer uses in modern society, with a focus on uses in non-scientific disciplines. It covers the basic concept of computer hardware and software, computer usage, the Internet, and elementary programming skills.

Late Policy

If you turn in your lab or homework late, you will only receive partial credit. If it is less than 24 hours late, you will receive 50% credit; if it is between 24 hours to 48 hours late, you will receive 25% credit; if it is more than 48 hours late, you will receive 0 credit. The only exception is when you bring me a doctor's note.

Grading:

Term Paper	20%
Projects	35%
Midterm Exam	20%
Final Exam	25%

Grades for lab assignments, term paper, and midterm will be posted one week after the due/exam date. Please go to http://my.ucdavis.edu/ to check your grades. It is very important you do check your grades.

Academic Conduct

The rules for conduct in UC Davis classes boil down to two principles:
- Be polite.
- Do not cheat

Acknowledgement:

The lecture materials are partially derived from the related courses of Sean Davis, Nina Amenta, Nick Puketza, Jim Kurose, Keith Ross and Xin Liu

Syllabus

•*Computers (3-4 weeks)*
–Hardware: motherboard, processor, memory, I/O devices, etc.
–Software and application:
–Graphics: image, video, 2D, 3D, game,
–History and ethics

•*The Internet (2-3 weeks)*
–Layered architecture
–Applications: web, email, p2p, etc.
–The path of your email/webpage.
–LAN: local area network, wireless local area network.
–Security

•*Python Programming (3-4 weeks)*
–Getting started
–Basic concepts: type, variable, I/O
–Loops: while, for,
Conditionals: if