

CS453, Electronic Commerce, Summer 2009

Beginning of Course Memo

Class Web site: <http://www.cs.virginia.edu/~horton/cs453>

Instructor:

Prof. Tom Horton Office: Olsson 228B. Phone: 982-2217 Email: [horton \[at\] cs.virginia.edu](mailto:horton@cs.virginia.edu)
Office hours: Immediately after class or by appointment.

Prerequisites: CS 216 with grade of C- or higher.

Description from the Undergraduate Record:

History of Internet and electronic commerce on the web; case studies of success and failure; cryptographic techniques for privacy, security, and authentication; digital money; transaction processing; wired and wireless access technologies; Java; streaming multimedia; XML; Bluetooth. Defining, protecting, growing, and raising capital for an e-business.
(See slides from first lecture about how closely our course will match this list.)

Textbooks Required and Readings:

Required text: *none!*

Readings will be assigned, either through handouts, on the web, or PDFs on-line. We may use sections from books available through UVa's Safari electronic library.

Course Topics:

See introduction slides on website for more details.

The course will contain some material on basic business issues related to e-commerce, but will focus more giving a broad introduction to technologies that support internet commerce.

Note that this course count towards the Engineering Business minor.

Technologies covered in this course will include:

- HTML/XHTML/XML
- Javascript
- Webpage forms
- PHP for server-side processing
- Encryption, certificates, digital signatures.
- Some basics about Apache's webserver
- Principles of Ajax

Grading Information and Criteria:

- Homeworks: 60% total
 - HW1: Company case study: 10% (due Mon., July 13, 8pm)
 - HW2: JavaScript: 10% (due Mon., July 20, 8pm)
 - HW3: PHP, forms, encryption: 10% (due Tue., July 28, 8pm)
 - HW4 (larger technical project, e.g. an e-store): 20% (due Mon., Aug. 3, 8pm)
 - HW5 (e-business or technical project) 10% (probably due about Aug. 6)
- Exam 1: 15% (Wed., July 22, 1-2:15)
- Final exam: 15% (Thu., Aug. 6, 1pm)
- Class participation and micro-activities: 10%

Grading Scale:

A+	100	98	C+	79	77	Rounding: Final grades will be rounded to the nearest whole number. E.g. 91.50 --> 92 91.499999 --> 91
A	97	93	C	76	73	
A-	92	90	C-	72	70	
B+	89	87	D+	69	67	
B	86	83	D	66	63	
B-	82	80	D-	62	60	
			F	59	0	

Honor Policy:

The School of Engineering and Applied Science relies upon and cherishes its community of trust. We firmly endorse, uphold, and embrace the University's Honor principle that students will not lie, cheat, or steal, nor shall they tolerate those who do. We recognize that even one honor infraction can destroy an exemplary reputation that has taken years to build. Acting in a manner consistent with the principles of honor will benefit every member of the community both while enrolled in the Engineering School and in the future.

Students are expected to be familiar with the university honor code, including the section on academic fraud (<http://www.student.virginia.edu/~honor/proc/fraud.html>).

Each assignment will describe allowed collaborations, and deviations from these will be considered Honor violations. If you have questions on what is allowable, ask! Unless otherwise noted, exams and individual assignments will be considered pledged that you have neither given nor received help. (Among other things, this means that you are not allowed to describe problems on an exam to a student who has not taken it yet. You are not allowed to show exam papers to another student or view another student's exam papers while working on an exam.) Send, receiving or otherwise copying electronic files that are part of course assignments are not allowed collaborations (except for those explicitly allowed in assignment instructions).

Assignments or exams where honor infractions or prohibited collaborations occur will receive a zero grade for that entire assignment or exam. Such infractions will also be submitted to the Honor Committee if that is appropriate. Students who have had prohibited collaborations may not be allowed to work with partners on remaining homeworks.

LNEC and Other Special Circumstances:

If you have been identified as an LNEC student, please let the Center know you are taking this class. If you suspect you should be an LNEC student, please schedule an appointment with them for an evaluation. I happily and discretely provide the recommended accommodations for those students identified by the LNEC. Please contact me one week before an exam so we can make accommodations. Website: <http://www.virginia.edu/studenthealth/l nec.html>

If you have other special circumstances (athletics, other university-related activities, etc.) please contact your instructor and/or Head TA as soon as you know these may affect you in class.