FALL 2019

CIS 442: Electronic Commerce Systems

Course Number: CIS 442.01
Classroom: Edwards Hall 102
Meeting Time: Tuesdays and Thursdays 12:30 -1:45 p.m.
Prerequisites: CSC 209: UNIX Tools.
                CIS 422: Physical Design and Implementation with DBMS.
Professor: Dr. Mehruz Kamal; Associate Professor; Department of Computing Sciences.
Office: 101 Albert W. Brown Building (FOB).
Phone/Voice: (585) 395-2179.
Web: https://www.brockport.edu/academics/computing_sciences/directory/mkamal.html
Office Hours: Tuesdays & Thursdays: 9:00 - 10:45am am and by appointment.
E-mail: mkamal@brockport.edu
Course URL: Blackboard

Textbook

- K.C. Laudon & C.G. Traver, E-Commerce. Business, Technology, Society. 14th Edition, Pearson, 2018

Supplementary (optional)

- R.W. Sebesta, Programming the World Wide Web, 8th Edition, Addison Wesley, Boston, MA.

Course Outcomes

a) Demonstrates competency in designing and implementing a Web-based system
b) Demonstrates competency in Web-based markup and programming languages such as HTML, XML, JavaScript, PHP, and PERL
c) Demonstrates an understanding of legal issues, copyright, intellectual property, and software piracy
d) Learn about electronic commerce concepts and organizational models.
e) Work as a team to apply electronic commerce practices by producing and presenting an e-business plan
f) Work as a team to apply electronic commerce practices by creating a web site for an online creative venture.
g) Obtain an understanding of appropriate encryption technologies for securing e-commerce applications.

Course Description from the CS Department Handbook

Covers defining tools of e-business, to understand the manner in which users, tools, needs and opportunities interact. Includes these topics: the infrastructure of e-commerce, Web site implementation using client and server-side programming languages. Covers advanced topics of interfacing e-commerce storefronts with backend relational databases, and XML. Includes social, political and ethical issues associated with e-commerce, and business plans for technology ventures. Real world applications and cases are studied to introduce concepts related to the analysis, design, implementation and maintenance of electronic commerce systems. (3 credits)

Workload

• Case Analyses	10% of total grade
• Quizzes	10% of total grade
• Individual Programming Assignments	20% of total grade
• 1 Group Project	20% of total grade
• Mid-term Examination	20% of total grade
• Comprehensive Final Examination	20% of total grade

Grading Policy

- A >= 90%, A- >= 87% but <90%
- B+ >= 83% but <87%, B>= 80% but <83%, B- > = 77% but <80%
- C+ >= 73% but <77%, C>= 70% but <73%, C- >= 67% but <70%
- D+ >= 63% but <67%, D>= 60% but <63%, D- >= 57% but <60%
- E <57%

Course Deadlines (Tentative)

- *Tue. Aug. 27, 2019* First day of class
- Thu. Aug 29, 2019 **Assignment # 1 – Assign**
- Thu. Sept. 5, 2019 **Assignment # 1 – Due**
- Thu, Sept. 5, 2019 **Project Milestone 1 - Assign**
- Tue, Sept. 17, 2019 **Assignment # 2 - Assign**
- Thu, Sept 19, 2019 **Project Milestone 1 – Due** & **Project Milestone 2 – Assign**
- *Tue. Sept. 24, 2019* Last day to drop the course 5:00 PM
- *Thu. Oct. 03, 2019* **Assignment # 2 – Due**
- Thu, Oct 3, 2019 **Project Milestone 2 Due** & **Project Milestone 3 – Assign**
- *Tue. Oct. 8, 2019* **Assignment # 3 – Assign**
- Thu. Oct 10, 2019 **Mid-term Exam (**Reading Schedule for Weeks 1 – 6)
- *Mon. Oct. 14, 2019* Mid-semester grades posted
- *Tue. Oct. 15, 2019* **NO CLASS (Mid-Semester Break)**
- Thu, Oct 17, 2019 **Project Milestone 3 Due** & **Project Milestone 4 – Assign**
- Thu, Oct. 24, 2019 **Assignment # 3 – Due** & **Assignment # 4 – Assign**
- *Fri. Nov. 1, 2019* Last day to withdraw (No need for permission) 5:00 PM
- Thu. Nov. 7, 2019 **Assignment # 4 – Due** & **Assignment # 5 – Assign**
- Tue, Nov 12, 2019 **Final Project Report- Assign**
- *Tue. Nov. 19, 2019* **Assignment # 5 – Due**
- *Thu, Nov. 28 2019* **NO CLASS (Thanksgiving recess)**
- *Thu. Dec. 5, 2019* **Group presentations & E-business plan due (includes Milestone 4)**
- *Thu. Dec. 5, 2019* Last day of class
- *Tue. Dec. 10, 2019* **Comprehensive Final Examination** (8:00 AM - 10:00 AM) (Reading Schedule for Weeks 1-15)

Reading Schedule (Tentative)
- *Week 01*: E-commerce concepts and models; Chapter 1 & 2
- *Week 02*: E-commerce Infrastructure; Chapter 3 & 4;
- *Week 03*: HTML
- *Week 04*: Cascading style sheets
- *Week 05*: JavaScript with XHTML documents
- *Week 06*: JavaScript (cont.)
- *Week 07*: Mid-term Exam
- *Week 08*: PHP basics
- *Week 09*: PHP (cont.)
- *Week 10*: Database access with PHP and MySQL
- *Week 11*: XML basics
- *Week 12*: Electronic Payment Systems; Chapter 5
- *Week 13*: Security and Encryption
- *Week 14*: Portals & Auctions; Chapter 11
- *Week 15*: Ethical, Social, & Political Issues in E-commerce; Chapter 8
- *Week 16*: Comprehensive Final Examination;

Assignments Policy: All assignments are to be completed on individual basis, i.e., on your own, unless otherwise stated or instructed by me. Late assignments will be accepted for 4 days beyond the deadline with a penalty of 10% per day (including weekends and other holidays). If you have problems meeting the deadlines, you are encouraged to consult me at my office. Being absent from class for one reason or another is not an excuse for submitting assignments late. In such cases, contact me or type the assignment and submit it through electronic mail (email).

Academic Integrity Policy: Students are required to observe all college regulations concerning academic integrity. It is important for students to understand that the College faculty and staff value student honesty and integrity. Academic dishonesty, "cheating" and other forms of misrepresenting others' work as your own, such as plagiarism, are considered serious breaches of academic integrity and are major violations of the standards of ethical behavior that the College expects from all its students. When detected, as it often is, academic dishonesty can result in a range of disciplinary actions including failure on an assignment, failure of a course, or even Conduct Dismissal from the College. Records of disciplinary actions for dishonesty are kept and conduct dismissals are noted on College transcripts. The best rule is to assume that instructors expect all work (exams, papers, projects, etc.) submitted for grading to be entirely your own, done without collaboration. If the instructor allows or desires collaboration, you should assume that the instructor will make that clear in the assignment. If the instructor has not explicitly stated that collaboration is permitted, all work submitted should be entirely your own. The following Web site has additional information about this policy. https://www.brockport.edu/support/policies/adopted/aa_vprovost_academicaffairs_academic_dishonesty.html

Attendance Policy: The student is responsible for all assigned course work and cannot be absolved of this responsibility. When enrolled in a particular course, the student is obligated to do all of the work assigned. Punctual and regular attendance is vital to the discharge of this obligation. Absences, excused or not, do not alter this responsibility. The instructor may establish regulations more restrictive than College guidelines, but not in conflict with it. The following Web site has additional information about this policy. https://www.brockport.edu/support/policies/adopted/aa_vprovost_academicaffairs_attendance_guidelines.html

Disability Statement: Students with documented disabilities may be entitled to specific accommodations. Student Accessibility Services makes this determination. Please contact Student Accessibility Services at (585) 395-5409 or osdoffic@brockport.edu to inquire about obtaining an official letter to the course instructor detailing any approved accommodations.

The student is responsible for providing the course instructor with an official letter. Faculty work as a team with the Student Accessibility Services to meet the needs of students with disabilities. The following Web site has additional information about this policy. The following Web site has additional information about disability accommodation. https://www.brockport.edu/support/policies/adopted/emsa_sas_accommodation_appeals.html

Emergency Alert Statement: In case of emergency, the Emergency Alert System at The College at Brockport will be activated. By signing up for RAVE, you can receive warnings and emergency information via the web, your cell phone, email and other technologies. Students can sign-up for RAVE using the link on the College's Emergency Information website, https://www.brockport.edu/support/emergency. Included on the website are detailed information about the College's Emergency Action Plan, Classroom Emergency Preparedness, Official Evacuation Procedures, Emergency Communication, and Contacts (phone numbers, email addresses, etc.). In addition, students are encouraged to familiarize themselves with the Emergency Procedures posted in classrooms, halls, and buildings and all college facilities.

Title IX Compliance Statement: Sex and Gender discrimination, including sexual harassment, are prohibited in educational programs and activities, including classes. Title IX legislation and College policy require the College to provide sex and gender equity in all areas of campus life. If you or someone you know has experienced sex or gender discrimination, sexual harassment, sexual assault, intimate partner violence, or stalking, we encourage you to seek assistance and to report the incident through resources available at https://www.brockport.edu/about/titleix/. Confidential assistance is available on campus at Hazen Center for Integrated Care and RESTORE. Faculty are NOT confidential under Title IX and will need to share information with the Title IX & College Compliance Officer. For these and other policies governing campus life, please see https://www.brockport.edu/support/policies/student.php.

Statement of Non-discrimination: "The College is committed to fostering a diverse community of outstanding faculty, staff, and students, as well as ensuring equal educational opportunity, employment, and access to services, programs, and activities, without regard to an individual's race, color, national origin, religion, creed, age, disability, sex, gender identity, sexual orientation, familial status, pregnancy, predisposing genetic characteristics, military status, domestic violence victim status, or criminal conviction. Employees, students, applicants or other members of the college community (including but not limited to vendors, visitors, and guests) may not be subjected to harassment that is prohibited by law, or treated adversely or retaliated against based upon a protected characteristic."

Statement of Equity and Open Communication: "I recognize that each class I teach is composed of diverse populations and am aware of and attentive to inequities of experience based on social identities including but not limited to race, class, assigned gender, gender identity, sexuality, geographical background, language background, religion, disability, age, and nationality. This classroom operates on a model of equity and partnership, in which we expect and appreciate diverse perspectives and ideas. If anyone is experiencing exclusion, intentional or unintentional aggression, silencing, or any other form of oppression, I encourage open communication with myself and/or the class as a whole."

Cell Phones/Smartphones: Please be courteous and mute all cell phones before entering the lecture hall. If you have an emergency and need to use your phone, please leave the classroom quietly so as not to disturb your fellow students. **Anyone caught with a cell phone or smart-device of any kind in an exam will receive a zero on the exam and academic dishonesty charges will be filed.**

http://www.brockport.edu/policies/docs/use_of_electronic_devices_in_the_classroom.pdf