

CS839 Web Intelligence and Electronic Commerce (Fall 2012)

Course Objectives: The course investigates the research topics on Web intelligence (WI) and Electronic Commerce (EC). The topics include: web technology, network infrastructure, web-based businesses, agents, economics and business models, XML, Web mining, Security, Web information filtering and retrieval, Intelligent information systems.

Credit Hours: 3.

Instructor: Dr. JingTao Yao, Tel (306) 585 4071, Office: CW308.18, Email: jtyao@cs.uregina.ca
Office hours: Tuesdays and Thursdays: 2:30-4:00pm or by appointment

Class time and location: Tuesdays and Thursdays: 1:00 pm - 2:15 pm, Education Building 318

Textbook: Kenneth Laudon and Carol Traver, *E-Commerce: Business, Technology, Society* (8th Edition), Pearson 2012, ISBN13: 978-0-13-801881-8
There is no specific textbook required for Web Intelligence part.

Additional References: There are many excellent Ecommerce textbooks available, and you may also find them useful for reference.

1. *Electronic Commerce 2012: A Managerial Perspective* (7th edition) by Efraim Turban, Jae K. Lee, David King, Ting Peng Liang, Deborah Turban (Prentice-Hall, 2012). (<http://www.prenhall.com/turban/>) (Other editions: 2002, 2004, 2006, 2008, 2010)
2. *E-Commerce Basics: Technology foundations & e-business applications* by William S. Davis, John Benamati (Addison Wesley 2003)
3. *Proceedings of International Conference on Web Intelligence (WI'01-11)* (<http://www.informatik.uni-trier.de/~lev/db/conf/webi/index.html>)

Course website

URL: <http://www2.cs.uregina.ca/~jtyao/Teaching/CS839>

Grading system:

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| 1. Assignments | 20% |
| 2. Midterm | 20% |
| 3. Presentation | 10% |
| 4. Project Report | 20% |
| 5. Exam | 30% |

Tentative schedule:

1. Introduction to Web Intelligence and Web-based Support Systems
2. Electronic Commerce (Business, Technology and Society)
3. Presentations

Useful links:

1. Google: <http://www.google.ca>
2. E-commerce Times: <http://www.ecommercetimes.com/>
3. Roger Clarke's eBusiness Home Page: <http://www.rogerclarke.com/EC/>
4. Web Intelligence Consortium: <http://wi-consortium.org/>
5. Web-based Support Systems: <http://www2.cs.uregina.ca/~wss>

Assignments:

1. **SAVE THE TREES!** All assignment questions are available online at UR Courses and you must submit your assignments electronically to UR Courses (<https://urcourses.uregina.ca/>).
2. Assignments should be named as Assignmentn.doc, Assignmentn.docx, or Assignmentn.pdf where the *n* is the assignment number. We only accept either MS Word or PDF submission.
3. The project report should be named as YourName.xxx.

Important notes:

1. The dates, schedule, requirements etc. are tentative. The online version should be the latest one. Please check for changes.
2. Email communications with the instructor should be sent from URCourses. In addition, you may use your U of R account. Class announcements will be sent to your U of R account. There will be no reply to any free web-based email accounts, hotmail, gmail, or yahoo, for instance, and limited communications to some commercial ISPs (e.g. Access, Sasktel, etc.) or government email accounts.
3. Please read the sections of the 2012-2013 University of Regina Undergraduate Calendar dealing with Academic Regulations, especially those regulations regarding academic integrity and plagiarism. The consequence of plagiarism or any other form of cheating may range from a zero grade, to failure in the class, to expulsion from the university. Please note that the Dean of your faculty will be informed of any such incident, as per university regulations.