

CS839 Web Intelligence and Electronic Commerce (Fall 2018)

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, Office: CW308.18, Email: jtyao@cs.uregina.ca

Office hours: Mondays and Wednesdays: 10:30 am - 12:00 pm or by appointment

Class time and location: Mondays and Wednesdays: 3:30 pm - 4:45 am, Classroom Building 317

Textbook: Laudon and Traver, *E-Commerce 2018: Business, Technology, Society* (14th Edition), Pearson 2018, SBN-13: 978-0-13-483951-6 (I used the 10th and 12th 10th editions in 2014 and 2016)
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: A Managerial and Social Networks Perspective* (8th edition) by Efraim Turban, David King, Jae Kyu Lee, Ting Peng Liang, Deborah C. Turban (Springer, 2015). (Early editions by Prentice Hall)
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'01-18)* (<http://www.informatik.uni-trier.de/~ley/db/conf/webi/index.html>)

Grading system:

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| 1. Assignments (3) | 10% |
| 2. Quizzes (3) | 15% |
| 3. Midterm | 20% |
| 4. Presentation | 15% |
| 5. Exam | 40% |

Tentative schedule:

1. Electronic Commerce (Business, Technology and Society)
2. Web Intelligence and Web-based Support Systems
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 must be named as Assignment*n*.doc, Assignment*n*.docx, or Assignment*n*.pdf where the *n* is the assignment number. We only accept either MS Word or PDF submissions.
3. The presentation must be named as LastnameFirstname.xxx. Only MS ppt and PDF files are acceptable.

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 latest [Graduate Academic Calendar](#) as well as the 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.