

## WEB SYSTEM DESIGN & MANAGEMENT (GLIS657-001)

### WINTER 2021 SYLLABUS

Class time: Mon. 02:35pm-5:25pm, Jan. 11<sup>th</sup> to Apr. 12<sup>st</sup> 2020 (See Instructional Methods below)

Location: Online

Instructor: Richard Yanaky

Email: [Richard.Yanaky@mcgill.ca](mailto:Richard.Yanaky@mcgill.ca)

Office: 3661 Peel, rm. 304

Office hours: TBA (online meetings only this semester)

### DESCRIPTION

This course has been developed with the information professional in mind. It seeks to provide students with the skills and understanding that they are most likely to require in their information careers: the strategy, design, and management of a web site.

- Principles and practices of designing websites in the context of libraries and information centres.
- Conceptual approach to organizing information for the World Wide Web including design, implementation and management issues.
- Topics include: Web development tools, markup languages, and Web server administration.

### LEARNING OUTCOMES

At the end of the course, students should be able to:

- Write valid HTML5 and CSS3 code to create simple websites that will be able to run on any sized device.
- Understand the client-server relationship, and how information professionals fit into this process.
- Understand the importance of information architecture to facilitate a strong user experience with web content; how to prototype a design that caters to both the needs of the users, as well as the needs of an organization.
- Understand how to support a web strategy, beyond the initial design.
- Receive and validate data from users through webforms; use JavaScript to add simple but effective responsive elements to a website.

### READINGS

- Krug, S., Straiger, A., & Matcho, M. (2014). *Don't make me think, revisited : a common sense approach to web usability.* (E. Bayle, Ed.) (Third). New Riders, Peachpit, Pearson Education.
  - eBook available through McGill Library:  
<https://mcgill.on.worldcat.org/oclc/859556499>
- Other readings will be posted on MyCourses

## INSTRUCTIONAL METHODS

This course will be delivered through the flipped-classroom method. Each week, lecture videos will be posted online MyCourses for asynchronous viewing in advance. This will be accompanied by a live session via Zoom for synchronous review and further discussions during the allotted time period, but will not constitute the full 3 hours.

The live sessions will not be recorded, nor will students ever be asked to record themselves for assignment submissions. Participation in live sessions is voluntary (and highly recommended), but will not cover new material outside of the pre-recorded lessons; if any new examples are produced during in-class sessions (e.g., HTML code), this will be posted online for everybody to view.

Recorded lessons will contain a lecture aspect, but will place a stronger emphasis on walking through lab work to create and maintain web content.

## WEEKLY SCHEDULE

**Note:** The weekly schedule is subject to change, according to class progression. **The below due dates are posted here are estimates, only. Official due dates will be posted on MyCourses by the first day of class.**

Please keep an eye on the announcements for changes.

1	Jan 11	<b>Introduction to Web Development</b>	
2	Jan 18	<b>HTML5 &amp; CSS3 Basics</b>	
3	Jan 25	<b>HTML5 &amp; CSS Basics continued</b>	
4	Feb 1	<b>Advanced CSS and Media Queries</b>	Assignment 1 Due: 10%
5	Feb 8	<b>Continued: Advanced CSS and Media Queries</b>	Quiz 1: 5%
6	Feb. 15	<b>Review + Introduction to Major Assignment</b>	
7	Feb 22	<b>Wireframing and Website Information Architecture</b>	Assignment 2 Due: 20%

**Mar. 1-5 - Study break (no class)**

8	Mar 8	<b>Web Usability</b>	
9	Mar 15	<b>Getting User Input through Webforms</b>	<b>Assignment 4 Part 1 Due: 20%</b>
10	Mar 22	<b>Document Object Model and web security</b>	<b>Quiz 2: 5%</b>
11	Mar 29	<b>Responsive websites: An introduction to JavaScript</b>	<b>Assignment 3 Due: 20%</b>
	Apr 5	<b>No Class: Easter Monday</b>	
12	Apr 12	<b>TBA: Guest speaker or special topic</b>	<b>Assignment 4 Part 2 Due: 20%</b>

## EVALUATION

There are Four assignments (10%, 20%, 15%, and 40% (submitted in two halves)), and two quizzes (2x5% each). Details are posted on MyCourses.

There is no midterm or final exam. There is an option for Assignment 4 to be done in groups, but this can also be done individually. The overall size of Assignment 4 will reflect the size of your group.

## SUBMITTING YOUR ASSIGNMENTS

- All assignments must be submitted electronically using the Assignments tool in myCourses. **Email submissions are not accepted.**
- **Submission of incorrect or corrupt files counts as unsubmitted.** After submitting your assignment, please look at what you submitted on MyCourses to confirm the correct file(s).
- **Please double check your individual assignments for specific assignment submission requirements.**

### Late Assignment Policy:

- Each student will be given 5 free ‘late submission passes’ this semester, to be used at your discretion, with no justification required. Each may be redeemed for an extra 24hour extension from the time an assignment is due.
  - Upon submission of a late assignment, please specify if you wish to use these or not. Otherwise, there will be a late penalty of 20% per day late. These passes are not valid for quizzes.
- Quizzes will be held online through MyCourses, and will be open for one week.
- Otherwise, in the event of illness, standard McGill rules for extensions will apply with a physician’s note, and will not count towards your late submission passes. Please contact me as soon as possible to discuss a submission plan.

## CLASS POLICY STATEMENT

You are expected to:

- Be considerate of your classmates by arriving to class on time, with cell phones turned *off* for the duration of the class period. Unexcused/unexplained tardiness may impact your class participation grade.
- When not speaking on Zoom, please mute yourself.
- Be prepared for each class by completing the assigned readings, watching the week's lecture online in advance, and participate in class discussions and activities.
- Be an active and positive participant in class discussion. Positive and active participation is characterized by:
  - Having a clear command of the materials for the day;
  - Openly sharing analyses and opinions based on the readings and other class materials;
  - Freely and openly agreeing and disagreeing with others when warranted. An intellectual exchange of ideas is the cornerstone of education, but any criticism should be limited to an idea and not the person specifically.

The class policies listed above are not exhaustive. Specifically, in terms of conduct, both within and outside the classroom, students are encouraged to review *The Handbook of Student Rights and Responsibilities* (<https://www.mcgill.ca/deanofstudents/students/student-rights-responsibilities>). Further, a list of all McGill policies and guidelines that directly address teaching at McGill may be found at: <http://www.mcgill.ca/tls/teaching/policies>

## MCGILL POLICY STATEMENTS

### Academic Rights and responsibilities

All students must be thoroughly familiar with the *Student Rights and Responsibilities*:  
<http://www.mcgill.ca/students/srr/>.

### Written Work

In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

### Students with Disabilities

Students with disabilities are urged to contact the *Office for Students with Disabilities* at 514-398-6009.

### Preparedness Planning

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

### Use of Mobile Computing and Communications Devices in Class

The use of mobile computing and communications (MC2) devices must, in all cases, respect policies and regulations of the University:

- The Code of Student Conduct and Disciplinary Procedures: [http://www.mcgill.ca/files/integrity/Code\\_of\\_Student\\_Conduct.pdf](http://www.mcgill.ca/files/integrity/Code_of_Student_Conduct.pdf)
- The Policy Concerning the Rights of Students with Disabilities: <http://www.mcgill.ca/files/secretariat/Rights-of-Students-with-Disabilities-Policy-Concerning-the.pdf>
- The Policy on the Responsible Use of McGill IT Resources:  
<http://www.mcgill.ca/files/secretariat/Responsible-Use-of-McGill-IT-Policy-on-the.pdf>

### Communicating Via Email and Other Channels

In line with McGill's Policy on E-Mail Communication with Students, any official McGill email sent to students will be addressed to their McGill UEA (Uniform E-Mail Address). It is the student's responsibility to ensure that time-critical e-mail is accessed, read and acted upon in a timely fashion. The E-Mail Policy applies to all McGill students and to all McGill employees, who manage official communications with students.

Please be advised that I send class-related emails to your McGill email account throughout the semester, including communications on instructions or tips for graded assignments, labs, and other class-related business. Please be sure to check your email frequently.

If you have any questions, concerns, or other topics you would like to discuss, you are welcome to contact me and arrange an appointment. If you have an urgent problem, the best way to get in touch with me is via email.

### Integrity

- "*McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures.*"
- For assignments, reports, presentations, or whenever the words or ideas of others are used, sources must be properly quoted and cited. Class conduct

This class follows McGill University policies, procedures and guidelines (<https://www.mcgill.ca/secretariat/policies-and-regulations>). Class participation is a valued aspect of this course. Discussions on class-related materials and business, whether they take place in the classroom or online (e.g., via zoom or the discussion board on MyCourses), should be conducted in a **respectful manner**, reflective of both the class policies (bulleted below) and McGill University policies, procedures and guidelines.

### Copyright of Course Materials

Instructor-generated course materials (e.g., handouts, notes, summaries, exam questions, etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the Code of Student Conduct and Disciplinary Procedures. No audio or video recording is allowed in class without the explicit permission of this instructor.

Richard Yanaky  
January 2021.