ISTE.140 – Web & Mobile I
Fall 2022 Course Syllabus

REMINDER: The information presented in this syllabus is subject to expansion, change, or modification during the semester.

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Course: GCCIS.ISTE.140
Name: Web & Mobile I
Sections:
Room: See SIS for this
Times: See SIS for this

Fall 2022 Important Note: An online textbook will be used called Zybook for the first time after a summer pilot of it. Several readings and assignments will be done directly on the Zybook website so you are required to sign up. There is a modest fee RIT negotiated of $66. The advantages of this virtual textbook will be discussed in class. Although a great deal of material will be found in the ZyBooks, some activities, videos, and exams may also reside outside of the ZyBook and directly in MyCourses (RIT's online learning portal).

Important RIT Dates:

Last day of add/drop	Monday	August 29, 2022
Last day to drop w/ "W"	Friday	November 4, 2022

IST department policy states a student has one semester to challenge any grade. A zero grade is given for any work not submitted by the final due date unless previous arrangements are made.

Prerequisites:
- Ability to use a web browser
- Ability to use a text editor/word processing software
- No prior programming languages experience is expected

Course Objectives
This course provides a basic introduction to Internet technologies and web development and provide a foundation for a variety of downstream IT core courses.

Specific Objective (Learning Outcomes)
Upon course completion, a student will have a working knowledge of:
- Key individuals and events in the development of the Internet and World Wide Web
- Internet search techniques
- Internet protocols and tools, including SSH and SFTP
- Basic Unix file and directory management tasks

- Digital content types, including file formats, resolution, color models, and compression
- Imaging software to create graphic elements and composite images
- HTML and CSS web page coding
- How to identify and implement basic graphic design principles including contrast, alignment, proximity, repetition, and effective use of color and type
- Cross-browser addressing issues
- Macintosh operating environment and applications for web development tasks.

By the end of the semester, students will be able to:
- build a multi-page web site with embedded graphics and media
- apply appropriate design principles to a site structure and its functionality
- create/modify graphics for web site inclusion
- install websites on a server
- use the Unix-based Macintosh operating environment

Topics Covered[1]:

- HTML and CSS	- Image Creation/Manipulation
- Copyright and Intellectual Property	- CSS Grid
- Validation	- SSH
- Plagiarism	- Introduction to JavaScript
- Web History	- Internet Searches
- Design Basics	- Introduction to PHP
- UNIX	- Responsive Web Design
- User Experience and Usability	- SFTP

Course Text/Resources and Materials
Text: Zybook (a virtual textbook) - Web and Mobile Development. PASTE YOUR ISBN HERE. Readings, and several weekly activities will be conducted directly inside the ZyBook website so joining and participating on ZyBooks is required!

Additional materials:

> **Web Development Tutorials**: http://www.w3schools.com
> **HTML Validator**: http://validator.w3.org/
> **CSS Validator**: http://jigsaw.w3.org/css-validator/

Saving work-in-progress
File backup is critically important. Bring a storage medium (USB Flash drive/memory stick) to every class. Clearly mark a name on the USB device. Include a simple text file with name and contact information. Media devices left in the classroom are turned in to the Dean's office "lost & found."

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[1] **See file *schedule.pdf* for day-by-day activities**

Attendance and Responsibilities

Attendance is expected at *all* lectures. Participation in class discussions and activities are strongly encouraged. Student conduct in the classroom and IST open lab (GOL-2670) should reflect the standards of behavior expected in a professional environment. RIT strongly supports a culture of professionalism and pluralism. Be respectful of the professor, classmates, and course support personnel (i.e., teaching assistants, note-takers, interpreters, etc.). Be prepared and willing to fully participate in classroom activities when asked to do so.

If a student must miss a class, it is his/her responsibility to find out what happened during the missed class and to make up any work related to that class. All RIT students are required to review, understand and abide by the general student responsibilities on the *RIT Center for Student Conduct and Conflict Resolution*: http://www.rit.edu/studentaffairs/studentconduct/

There is a strong, positive correlation between students who attend class regularly and the final grade those students receive. Exceptions are made for school-related/sponsored activities; arrangements made in advance. All other absences require documentation.

- **Weekly Readings / Productive Participation in ZyBook**
  There will be weekly reading exercises in ZyBooks that are essentially pass/fail (as long as you read it and tinker with the assessments you will pass), and this will be due at the specified time each week and cannot be handed in late

Statement on Reasonable Accommodations

RIT is committed to providing reasonable accommodations to students with special needs. To request accommodations such as seat assignment or testing modifications, please contact the Disability Services Office. It is located in the Student Alumni Union, Room 1150; the Web site is www.rit.edu/dso. After accommodation approval, a meeting with the instructor is imperative during office hours in order to work out whatever arrangement is necessary.

Academic Dishonesty

Academic dishonesty is most simply described as: ***misrepresenting another individual's work as your own.*** This includes the past or current work of any other person either with or without his/her knowledge. Academic dishonesty includes plagiarism, collusion, and/or outright cheating. If this occurs, *all* students involved are subject to an "F" grade for the course.

> **Important Note**: This is a "single instance" policy — there are no second chances!

A detailed reference to clarify what is and is not plagiarism can be found on-line at the RIT Library web site (http://library.rit.edu/liv/7). Plagiarism and other actions contrary to RIT's Code of Conduct for students are handled in accordance with the IST Academic Dishonesty Policy.

> **Important:** Anyone unsure of *exactly* what plagiarism or Academic Dishonesty is urged to review the RIT policies and procedures. Lack of knowledge/understanding is **_not_** an excuse, nor will it be accepted. Except for work that is specifically designated as being "a group effort," **ALL** work submitted under a student's name is assumed to be solely that student's individual work product and indicates an understanding of, and **agreement to** abide by the Academic Honesty policies described above.

RIT Polices on Computer and Network Resources
Students are held accountable for adhering to the computing and network resources policies.

RIT myCourses Conference: Some assignments, grades, and other postings will be posted to Mycourses throughout the semester. Failing to read information posted in the course conference is not an excuse for late or incomplete work.

ZyBook: Additional course material will be found only in the ZyBook (virtual textbook on a website). There will be weekly exercises there you must complete on that site and not in mycourses.

Electronic Mail: Communicate with the instructor using the email address given on the first page of this document. Begin the subject-line with "140.xy" where *xy* is the two-digit section number. Faculty receive large amounts of email daily. Following this subject-line guideline will prevent messages from becoming victims of spam filters. When necessary, attach appropriate documentation to your email message. Students are expected to check for email related to this course on a *daily* basis. **Failure to check email is not an excuse for late or incomplete work.**

Grading

Component	Point Value
Weekly ZyBook Readings "Participation activities" *	10 %
ZyBook Challenge Activities	10%
Homeworks / Labs (either ZyLabs or other exercises in MyCourses assigned periodically)	15%
Project 1 **	15 %
Project 2 **	15 %
Discussions ***	10 %
Midterm Exam	5 %
Midterm Practical	5 %
Final Exam	5 %
Final Practical	10%

Range	Grade
>= 93.0%	A
>= 90.0% & < 93.0%	A-
>= 87.0% & < 90.0%	B+
>= 83.0% & < 87.0%	B
>= 80.0% & < 83.0%	B-
>= 77.0% & < 80.0%	C+
>= 73.0% & < 77.0%	C
>= 70.0% & < 73.0%	C-
>= 60.0% & < 70.0%	D
< 60.0%	F

* Weekly readings are assessed by tracking who logs in, and who completes the basic little exercises in each reading. These exercises are super easy and you can keep trying until you pass; you just have to do these on time each week to get credit.

** Project 1 and Project 2 may have individual deliverables (part 1, part 2 etc) details to come.

*** Discussions will be conducted on either Slack or the MyCourses Discussion board

Exam/Practicum Policies

Students must attend all scheduled exams. Policies for exams (subject to change) are listed below:
- Students must participate in exams at the scheduled times. Students travelling on university-sanctioned activities must request an alternate date one week in advance.
- A student who must take the exam at a different time for reasons other than university-sanctioned activities must submit a request at least 48 hours in advance. These requests are granted only under exceptional circumstances and require supporting documentation.
- A missed exam is graded zero (0) unless prior special arrangements have been approved.
- If the final exam for this course conflicts with another final exam, please see the professor as soon as possible before exam week! Check the SIS exam schedule to determine the final exams schedule.
- RIT policy states that a student is not required to participate in more than two (2) final exams on any given day. A student with three (3) or more final exams scheduled on the same date, should contact all involved professors to schedule alternate dates/times.

- The midterm and the final exams are given in two parts and on two separate days of class.
- A *bona fide* documented emergency that prevents a student from attending the final exam or final practicum results in a course grade of "I" (incomplete). A makeup exam will then be scheduled no later than the first week of the next term. At that time, the incomplete grade will be changed based on the makeup and the current semester's work.

Important: IST department policy gives a student one semester to challenge a course grade.

Project Standards

Projects will always be discussed in class. Electronic versions of the projects will be posted in myCourses. Late work may be accepted but only under special circumstances and requires notification prior to the due date. Advanced notice is also required If a university-related event *requires* a student to miss a due date. Contact the professor in advance for approval to submit work late without penalty. Failure to contact the professor in advance will result in the late penalty being applied.

Projects are evaluated once the following conditions are met:
1. the work was installed on the web server before the deadline,
2. the web site (all documents and supporting folders) are compressed to a zip file and uploaded to the appropriate *myCourses* drop box before the deadline, and
3. The comment area of the dropbox has a link to the assignment that the TAs and professor use to view and grade work. That grading may involve the use of multiple browsers including, but not limited to, *Firefox, Chrome, Safari, Opera, or Edge.*

Important: Always test work in multiple browsers to make sure that the presentation of pages is consistent. Also, be sure that both the HTML and CSS code validate to W3C standards. Keep in mind that college-level work is expected on all projects. This means use of the skills learned to *design* sites in an appropriate and professional manner are employed *before* implementation. Poorly designed sites/pages may be penalized. When in doubt, re-read the rubric.

Note: Many students may have little to no experience in web design. That's one reason for taking this course! However, it is expected that each student will try to create sites that are professional and esthetically pleasing. If unsure whether the design is satisfactory, ask!

Once completed, the project is mounted on a designated server and a zip file of the project is placed in a designated dropbox on or before the "due date." **DO NOT** modify the mounted files in any way without first obtaining approval. Mounted files that are modified *after* the assignment is submitted *without* prior approval are subject to penalties of 10% for each day late.

Homework

This class will use a modified studio model. Most days there will be a lecture followed by a related homework assignment. Students are encouraged to stay and work on homework assignments as time permits. *All* homework assignments have a "due date" as listed in its corresponding dropbox. Late homework submissions will be penalized 10% for each day late.

Saving/Back-up Copies

Although discussed on page 2, it bears repeating here. It is strongly recommended that students maintain *multiple* electronic copies of coursework. Minimally, always maintain two copies of the work (perhaps a USB flash drive and an on-line file). Bring a storage device to every class. Use of multiple storage devices is *strongly* recommended. Perform a full backup to multiple locations/devices on a *daily* basis. Be sure to write identification information clearly on any storage device. It would be better to have three copies. If all work is maintained on a single flash drive and is lost, the consequences can be dire. Personal items left in the classroom will be turned in to the "Lost and Found" in the Dean's front office, first floor atrium

> NOTE: Loss of work resulting from inadequate multiple backups is NOT an acceptable excuse for turning work in late; extensions or special accommodations may be given but at the 10% per day late penalty.

Incomplete ("I") Grades:

An incomplete, or "I" grade, may be requested in cases where *exceptional conditions beyond ones' control*, such as accidents, severe illness, family problems, etc., have impacted an ability to complete the coursework. Notify the professor of these circumstances *as soon as possible*. Supply appropriate supporting documentation. If an incomplete is granted, the work must be completed within the time limits set by the instructor. The maximum time is two (2) academic semesters. Unfinished "I" grades automatically become "F".

> Note: Incomplete grades are never given to students who have simply fallen behind in their work or students who, in the instructor's opinion, are not capable of passing the course.

Tutors:

The IST department employs tutors in support of a variety of courses. They work in the IST Open Lab (GOL-2670) and their schedules are displayed on a monitor at the back of the lab.

Finally: Any or all of the previous information, except the academic dishonesty policy and Acceptable Computer Use policy, are subject to change or modification during the semester**.**