

ISTE.140 – Web & Mobile I Summer 2024 (2238) Course Syllabus

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

Instructor: John-Paul Takats	Course: GCCIS.ISTE.140
Office Hours: Visit this page for latest office hour info: https://people.rit.edu/~jxtadm/	Name: Web & Mobile I
For summer, office hours will be scheduled and facilitated with Calendarly / Zoom	Section: 1
Email: jxtadm@rit.edu	Room: Online Asynchronous
	Times: Online Asynchronous (requires weekly participation)

Summer Notes

- **Accelerated Class.** This class has a normal 14/15 week semester material condensed to 12 weeks!
- **Online Asynchronous.** We don't have set meeting times, I will serve as a guide but you will need to be motivated to learn lots on your own. I will provide readings, interactive labs, and projects. I will offer office hours. But you should plan to spend at least 10 hours a week on this class.

Student Support Availability

Success in this course depends heavily on your personal health and wellbeing. Recognize that stress is an expected part of the college experience, and it often can be compounded by unexpected setbacks or life changes outside the classroom. Your other instructors and I strongly encourage you to reframe challenges as an unavoidable pathway to success. Reflect on your role in taking care of yourself throughout the term, before the demands of exams and projects reach their peak. Please feel free to reach out to me about any difficulty you may be having that may impact your performance in this course as soon as it occurs and before it becomes unmanageable. In addition to your academic advisor, I strongly encourage you to contact the many other support services on campus that stand ready to assist you. These include the Academic Success Center, College Restoration Program, Disability Services, English Language Center, Higher Education Opportunity Program, Spectrum Support program, and TRiO Support Services. Students can find out about specific services and programs on the Student Affairs Website.

AI Policy

Using software tools to generate all or part of a solution to a **homework assignment** is a violation of the Academic Integrity Policy.

- The penalty for the first such violation is a 0 on the assignment.
- Any subsequent violations will result in an F in the course.

Using software tools to generate all or part of a solution to a **practical exam** is considered an egregious violation of the Academic Integrity Policy.

- The penalty for an egregious violation is an automatic F in the course, even if it is the first violation.

Zybook: An online textbook will be used called Zybook. 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. 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 Deadlines

Last day of add/drop	May 22
Last day to drop w/ "W"	July 24

Academic Calendar Link: <https://www.rit.edu/calendar>

School of Information 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 Details & Objectives

This course provides a basic introduction to Internet technologies and web development and provides 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 Covered¹:

<ul style="list-style-type: none">● HTML and CSS● Copyright and Intellectual Property● Validation● Plagiarism● Web History● Design Basics● UNIX● User Experience and Usability	<ul style="list-style-type: none">● Image Creation/Manipulation● CSS Grid● SSH● Introduction to JavaScript● Internet Searches● Introduction to PHP● Responsive Web Design● SFTP
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Textbook

Zybook (a virtual textbook) - Web and Mobile Development. Readings, and several weekly activities will be conducted directly inside the ZyBook website so joining and participating on ZyBooks is required!

Instructions on how to purchase the textbook can be found on MyCourses in the Announcement area, and in the the syllabus folder.

Additional materials:

Web Development Tutorials: <http://www.w3schools.com>

HTML Validator: <http://validator.w3.org/>

CSS Validator: <http://jigsaw.w3.org/css-validator/>

Attendance and Responsibilities

Since this is an online course there are no weekly meeting times. Weekly content can be completed at your own pace HOWEVER there will be deliverables due at certain times (such as end of each week) so you cannot just hand things in whenever you want.

- **Weekly Readings / Productive Participation in ZyBook**
There will be weekly reading exercises in ZyBooks that are very much like a 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**
- Discussions - there will be several discussions due throughout the semester. It is your responsibility to identify at the start of the week ones that are available. Since these are measuring weekly participation they **cannot be submitted late**.

¹ See file *schedule in mycourses syllabus / schedule folder* for week-by-week activities

Course Communication

RIT myCourses : 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.

Slack: A slack or discord room may be created for this class. You may use this to talk amongst other students as long as it adheres to the academic integrity principles. I will also try to chime in and help, though it is not a 24/7 help line either. I would still encourage you to email me important and time sensitive matters.

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	20%
Readings "Participation & Challenges"	
Zybook Labs	20%
Homepage Project	15%
Research Project *	20%
Discussions	5 %
Midterm Exam	5 %
Midterm Practical	5 %
Final Exam	5 %
Final Practical	5 %

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

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

Exams

The midterm and the final exams are given in two parts and on two separate days; an online exam via myCourses, and a practical exam requiring a web page creation. so in total 4 exams:

1. Midterm Written exam (multiple choice, true / false)
2. Midterm Practical
3. Final Written exam (multiple choice, true / false)
4. Final Practical

Practical Exams

There will be two practical exams given to assess your knowledge and skills; one around midterms. The other around Finals week. It will be based on the in-class exercises. The practical is designed to show that you personally can do minimally competent work in creating a page using HTML and CSS.

Closer to the practical exam, the instructor will discuss what resources you are allowed to use during the exam, and if you will be required to use the lab machines or a personal machine.

Written Exams (true false / multiple choice)

In addition to the practical exams there will also be two traditional exams with true / false and multiple choice style questions. One around midterms. The other around Finals week.

Exam Resource Allowed

Prior to exams, topics such as what resources will be allowed to be used during exams will be discussed

Projects

There are two major projects broken into smaller deliverables: A Homepage Project, and a Research Project. 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 uploaded to 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 uploaded files in any way without first obtaining approval. Uploaded files that are modified *after* the assignment is submitted *without* prior approval are subject to penalties of 10% for each day late.

Late Policy for Projects

- The maximum grade for late projects will decrease by 10% for each day it's late. A perfect project submitted one day late would receive a 90%; two days late, 80%.
- **Projects more than four calendar days late will receive a grade of 0%.**

Homework / Exercises

Homework / exercise will largely be facilitated this semester through Zybooks Zylabs feature. However there will be some homeworks / exercise facilitated directly in mycourses in which I provide a rubric (outside of Zybooks). This is why it will be very important to attend class. I will carefully document where you should find things but it is your responsibility to prepare yourself each week, and or ask me if you are confused before they are due (preferably several days before it is due).

Late Policy for Exercises

In order to receive full credit for exercises, the work must be submitted on time to either Zybooks (if a ZyLab) or to Mycourses if an assignment outside of the Zybook Lab.

- The maximum grade for late homework will decrease by 10% for each day it's late. A perfect project submitted one day late would receive a 90%; two days late, 80%.
- **Exercises / Homeworks more than four calendar days late will receive a grade of 0%. The drop box closes after four calendar days late.**

Saving/Back-up Copies

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). 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.

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.