



ISTE-240 Web and Mobile II Spring 2023 (2234) Course Syllabus

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

<p>Instructor: John-Paul Takats</p> <p>Office Hours: Please find hour information at https://people.rit.edu/~jxtadm/ Phone: 585-475-7031 Office: Golisano Building - Office #2669</p>	<p>More on office Hours: Oftentimes the best way to get help besides visiting the TA and other tutors will be my office hours; rather than back and forth emails. Use the link in the left column to view the latest up to date schedule as it changes sometimes in the first week. There are zoom and in person options available</p>
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ATTENDANCE IS EXPECTED AT ALL LECTURES - unless sick or other type of emergency. There is some content that is only discussed in class so if you miss class you may miss important information.

Course description

This course builds on the basics of web page development that are presented in ISTE 140 and extends that knowledge to focus on theories, issues, and technologies related to the design and development of web sites. An overview of web design concepts, including usability, accessibility, information architecture, and graphic design in the context of the web will be covered. Introduction to web site technologies, including HTTP, web client and server programming, and dynamic page generation from a database also will be explored. Development exercises are required. (Prerequisite: ISTE-120 & ISTE-140.

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.

Why? I am not anti-AI, but want to ensure you know the fundamentals of web and development without relying on these tools. I have found that if people use these early on they become dependent on them. Practice is key to mastering these skills, I want to help you all become the best developers you can be, not simply experts at using AI tools. Students who rely on AI Code Generation to complete their homework assignments will also be unprepared for practical exams and future RIT courses. More details on academic dishonesty can be found later on in the Syllabus.

Important RIT Deadlines

Last day of add/drop	January 23 (Tuesday)
Last day to drop w/ "W"	April 5 (Friday)

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

Other Deadlines: iSchool policy states that a student has one semester to challenge any grade. After that, grades cannot be challenged.

Prerequisites & Important note for students

All prerequisite knowledge applies to all students. You should be familiar with basic HTML5 coding (using text editors!), CSS3 (both textual and positioning manipulation), web graphics creation/optimization, basic design principles for the web, and UNIX commands for creating, deleting, renaming, and changing permissions for files and directories.

Student Learning Outcomes

<i>At the end of the course, the student will be able to</i>	Assessment Method
Demonstrate proficiency in web site design, planning and documentation as part of a team	Team written design document
Use information design, graphics, and markup languages to create medium scale web sites.	Exercises, individual and group projects, and practical exams
Use client side programming such as JavaScript and the document object model to create dynamic and interactive web pages	Exercises, individual and group projects, and practical exams
Use server side programming and databases to improve site performance, modularization, and	Exercises, individual and group projects, and practical exams.

separation of logic from data.	
Use the HTTP protocol to properly submit, validate and process user input data	Exercises, practical exams, and projects

Course Text and Material

There is **no required textbook** for this course. All required readings are from digital media and will be linked or posted on MyCourses. Many readings will be on the W3Schools and you are responsible for looking up more comprehensive syntax for HTML5 and CSS3.

Grading

Your final grade will be assessed based on the following graded Items:

Grade item	% of overall grade
Exercises (homework)	20%
Individual Project (due at midterm and end of term)	15% and 15% respectively
Group Project (Design Document & Site)	15% and 15% respectively
Participation (detailed below)	5%
Final Practical Exam (given during final exam week)	15%
Total	100%

NOTICE HOW projects are worth 60% of your overall grade???

In ISTE-240 the projects are largely treated like your midterms / finals (the exception being the final practical). These should not be put off till the last minute. They should be worked on throughout the semester during the weeks leading up until they are due. Unlike ISTE-140 that may have had several deliverables, we leave it up to you to work on these at a responsible (or irresponsible) pace.

Letter grades correspond to the following percentages and Grade Points:

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

General Grading Guidelines

The following will be looked for in all of your assignments:

- Clean, standards-compliant HTML and CSS (passes W3C validator checks).
- Documentation, documentation, documentation (read: copious code comments)
- Citations to code sources (if you use code from somewhere else, you must cite the source!! Make sure it is an area where handwritten code isn't the requirement too)
- Quality content and design. This course is NOT just about coding. The design and content of your sites will count heavily toward your grades.
- Technology implementation

Other Grading Notes

- Unless otherwise noted, all submissions to the myCourses dropbox **must include the URL to the assignment in the dropbox comments**. Failure to include the URL will result in an automatic 5% deduction for that assignment (and after working weeks on a project you don't want to lose the easy points)
- All files submitted to the myCourses dropbox must be saved in ONE zip file before submission – even if there is only ONE file to submit.
- **Do not submit** rar, gz, or 7z files; doing so will result in an automatic 5% deduction for that assignment. submit Zip files only.

Exercises / Homeworks

Exercises will be discussed in class and posted in myCourses. They will always be due at 11:59pm on the due date (oftentimes but not always on a Sunday night).

- Almost all exercises are web pages, so they **MUST** be up and viewable on the web using the RIT web server we provide in the specified directories. That means you will also submit a URL to your website.
- Once you are finished with the exercise, please do NOT modify it in any way until it has been graded, else you will receive a 0 grade for the exercise. Exercises are generally submitted in a zipped file (use a zip file, NOT a rar, gz, or 7z file) and dropped to a drop box in **myCourses**.
- In addition, **you will include a link to the completed exercise in the comment section of the dropbox**. Broken or incorrect links will be considered a late assignment and points will be deducted.

Late Policy for Exercises

In order to receive full credit for exercises, the work must be submitted on time. The MyCourses dropbox will record the time you submit your exercise. The myCourses timestamp will be considered the official submission time for all assignments.

- 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, take the zero and**

get the next assignment in on time!!! DO NOT ASK ME TO GIVE YOU AN EXTENSION ON THE DUE DATE!

Projects

There are two **significant** projects to complete in this course:

- 1) Individual Project (part 1, and part 2)
- 2) Team Project (part 1, and part 2)

Both projects will have a midterm, and a final due date for each respective part (so 4 due dates all together if you count both individual and group projects).

The complete details for both projects will be discussed in class. Students should expect to spend a significant amount of time outside of class working on these projects.

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%.**

Team Project Presentations

The Team project will be presented to the class or me at midterm and near the end of the semester. Attendance from all team members is expected, unless for a valid reason. If a team member can't be present, others in the team will be expected to fill in. There is not a separate grade metric for the presentations, but it can be factored into the overall project grade especially if a team fails to show and/or present. More importantly it is a benchmark to see how your team is doing compared to others, and a great way to get everyone on the same page; or for me to catch areas you may be neglecting.

Final Practical Exam

There will be one practical exam given at the end of the semester to assess your knowledge and skills. 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 HTML5, CSS3, JavaScript, and PHP w/Database connectivity. "Minimally competent" means: (1) the code is valid & well formed, (2) the CSS does what it is supposed to do, (3) the JavaScript adds the functionality it is supposed to add to the page, and (4) the PHP does what it is supposed to do as well as connect to a database using secure methods like MySQLi.

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.

Missing the final practical will result in a grade of F for the course unless you contact the instructor at least 24 hours in advance of the exam. If your reason is valid (documentation is required), you will be allowed to take a different 'make-up' exam before the end of finals week.

Student Attendance and Responsibilities

As a student at RIT, you are expected to attend all lectures. You are also expected to fully participate in all course/class discussions and activities. Your actions in the classroom (and in the lab) should reflect the standards of behavior expected in a professional environment: you will be respectful of the professor, your classmates, and any course support personnel (i.e., teaching assistants, note-takers, interpreters, etc.). You should also be prepared and willing to fully participate in classroom activities when asked to do so.

You should not be talking to another student while the instructor is speaking; but please ask questions whenever needed. Typically after the lecture you will be given time to work on an assignment. Quiet discussion and conversation is fine (and encouraged).

Excessively checking your email, playing games, surfing the web, or working on assignments during lectures can have negative impacts:

- Performing more than one task at the same time is difficult. While you are paying attention to the computer, you are likely missing out on the content of the lecture.
- You are also distracting neighboring students.
- If your computer screen is visible to the hallway, your behavior is broadcast to a broader audience (students, faculty, administrators, visiting parents, ...) and reflects poorly on RIT and on you.

Excessive Violations of these classroom behavior policies can be dealt with through deductions in your participation grade.

Participation Grade Metric (5%)

I have consistently observed that students who follow along during our class demos do much better overall. Additionally, this is a lab-based active learning classroom so working on stuff in class is already expected. This is more just a way to incentivize what you should have been doing already.

Therefore there is a 5% overall participation metric based upon submitting some type of deliverable at the end of each class period; possibly once or twice in a week timeframe (we meet twice a week). These are designed to be easy points assuming you come to class regularly, and submit some of the in class code demos we work on to Mycourses or a repository (to be determined). If you have taken GCIS-123 it is a somewhat similar idea. I am not going to be looking for working perfect code, but more the fact you have attempted to follow a bit. Practice is key to doing well in this class.

I will drop 2 to 3 of these weekly participation points at the end of the semester (exact amount TBD depending on how many we do), so in case you do miss a class or are sick you will not be expected to submit every single one; as I will drop a couple.

Course Communication

Professor to Student Communication: Any updates to assignments and any emails that I need to send to individual students will be done through myCourses (you can set

up mycourses to notify you of announcements in MyCourses via email). What this means is that you should **check your email/course announcement stream in MyCourses daily**. If you forward your RIT email to another account, you are responsible for making sure email forwarding continues to work throughout the semester

Student to Professor Communication: To separate your email from spam or the influx of message center emails I ask that you start your email subject with "ISTE240". You should get a reply to any email you send me within two days. If you need a reply sooner, please let me know in the subject by stating "urgent" or something like that; or the better bet may be to try my office hours if available sooner.

Academic Integrity

As an institution of higher learning, RIT expects students to behave honestly and ethically at all times, especially when submitting work for evaluation in conjunction with any course or degree requirement. The School of Information encourages all students to become familiar with the RIT Honor Code and with RIT's Academic Integrity Policy.

Please review the institute policy on academic integrity as described on the RIT website at: <https://www.rit.edu/policies/d080>

Also make sure to read the AI policy on the first page of this syllabus.

Statement on Academic Accommodations

RIT is committed to providing academic accommodations to students with disabilities. If you would like to request academic accommodations such as testing modifications due to a disability, please contact the Disability Services Office. Contact information for the DSO and information about how to request accommodations can be found at www.rit.edu/dso. After you receive academic accommodation approval, it is imperative that you contact me as early as possible so that we can work out whatever arrangement is necessary.

Respect for Diversity

It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.