IGME-330 Rich Media Web Application Development I

Fall 2024: Syllabus

I. Course Catalog Description

This course provides students the opportunity to explore the design and development of media-rich web applications that utilize both static and procedurally manipulated media such as text, images, and audio. This course examines client and server-side web development and features common to such applications. Issues explored include framework characteristics, information management, presentation, interactivity, persistence, and data binding. Programming projects are required. 3 Credits.

II. Prerequisites

IGME-230 or IGME-235 or equivalent course

III. Instructor and Class Details

Section 01 (Takats)

- **IGME-330-01** - T/Th 5pm - 6:15pm in MSS-2150
- **Instructor Info:** John-Paul Takats
- **Contact:** jxtadm@rit.edu
- **Office Location:**
- **Office Hours:** By virtual appointment: https://people.rit.edu/~jxtadm/
  (weekly office hour availability can be seen by visiting link above)

Section 02 (Warren)

- **IGME-330-02** - T/Th 9:30am - 10:45am in MSS-2150
- **Instructor Info:** Ann Warren
- **Office Location:** GOL-2273
- **Office Hours:** By appointment via Zoom or Discord

Section 03 (Wheeland)

- **IGME-330-03** - T/Th 2pm - 3:15pm in ORN-1375
- **Instructor Info:** Andy Wheeland (he/him)
- **Contact:** Slack DM only - Click here to reach me easily. If necessary, email me at anwigm@rit.edu, but please also send a Slack DM.
- **Office Location:** GOL-2547 (IGM "Main Hall")
- **Office Hours:** Virtual only (Monday/Friday 1pm - 2:30pm - send Slack DM)

IV. Course Materials and Communication

- Most course content will be on GitHub.
- MyCourses will contain additional materials, announcements, and be used for assignment submissions and grading.
- Keep an eye on MyCourses for assignment due dates.
- Make sure to accept the invite to the course Slack. (link also in myCourses shell)
  - Post an introduction there.
  - Read the IGME 330 - Introduction to Slack document for details.

Course 'Textbooks' (free resources)

Mozilla Developer Network

- **Publisher:** Mozilla Inc.
- JavaScript Reference
- The definitive JavaScript Reference

Safari HTML5 Canvas Guide

- **Publisher:** Apple Inc.
- Free on web! HTML Version
- example files provided in myCourses when appropriate.

V. Attendance

Attendance is mandatory and you are expected to be on time. Lectures will start promptly at the beginning of class, and may be followed by an in-class assignment or exercise that you are expected to work on until the end of the meeting (i.e. no leaving early, or doing HW for a different course).

VI. Grading

VI-A. Exams (30%)

- There will be two main exams (You can think of them as a midterm and final) covering concepts, as well as "write some code" questions. You will be given various resources and quizzes to help you study for these. Part of each exam will be **closed-notes/digital**, and another part will be **open-notes/hands-on practical.**

VI-B. Quizzes (10%)

- There will be a variety of low-pressure quiz experiences. There will some combination of:
  - Study Quizzes: Based on readings & taken online with multiple attempts allowed
  - Practice Quizzes: Taken in class with a limited timeframe, but more for attendance/participation/informational purposes only. These will not affect your course grade.

VI-C. Exercises (20%)

- There will be approximately 20 exercises assigned during the semester that help you learn and practice concepts and get ready for the major "homeworks/mini-projects". Some may be worth more or less than others and they may be of various types:
  - Practice Exercises: Exercises that help you build something similar to what you'll need to do in the future.
  - Check-off Exercises: Exercises started in class that we will ask you to complete and submit.
  - Other Exercises: Activities or Assignments that you'll be asked to complete and submit (or answer a couple questions about) to round out your web development knowledge or pick up an extra skill that you might want to use on a homework.

VI-D. Homework ("mini-project") Assignments (36%)

- Sometime referred to as "mini-projects" Substantial assignments that you will given a week or so to complete, approximately 4 of these will be assigned during the semester. When possible we'll try to provide ways for you to alter the project in a way that makes it better as a portfolio piece.

VI-E. Attendance/Participation (4%)

- If you are always on time for class, have no unexcused absences, and participate in any critiques or Slack-based activities that are expected, you'll get these 4 percentage points.
  - Each unexcused absence will deduct 1%, considerable lateness will deduct 0.5%. After you've lost these 4 points, * **each additional occurance will deduct 5% from your final course average.**
- Missing class (or being habitually late) will often do harm to your performance in this class.
  - You can request to be excused from a class meeting for a school or career related opportunity - write your instructor (via Slack DM) *in advance* of that class meeting.
  - If you can't attend class for any reason, always let us know *in advance*. Simply telling us *afterward* that "I didn't come cause I was too sick", for example, will not automatically excuse your absence.

VI-F. Grade Scale

Class Average Grade

90%+	A
80%+	B
70%+	C
65%+	D
<65%	F

VII. More Grading Policies

VII-A. Late Assignments

- Assignments will not be accepted late without the prior approval of the instructor. Extension policies may vary by professor. Contact your professor via Slack if you have special circumstances that may require an assignment extension.

VII-B. Policy on Incomplete Grades

- Incomplete grades will be given only in the most exceptional circumstances, soley for issues that arise AFTER the 'W' deadline has passed, and then only by prior arrangement with the professor. Being overcommitted and/or not having enough time to complete your coursework is not sufficient justification for an "I". Instead, meet with the professor as early as possible in the semester if you're having difficulty.

VII-C. Academic Integrity

- As part of the RIT academic community, it is imperative that you maintain the highest standards of academic honesty in this course. This policy outlines our commitment to uphold academic integrity and the consequences of violating it.

    - Cheating: Engaging in any form of fraudulent or deceptive academic act, including falsification of data and unauthorized possession or use of materials, sources, or tools. See also our Generative AI policy (next section).
    - Collusion: Inappropriate collaboration with others in work that is meant to be completed individually.
    - Plagiarism: Representing the ideas of others as your own without proper attribution.
    - Duplicate Submission: Submitting work in this course that you have previously submitted in this course or another, without prior approval. Importantly, if you have previously taken this course and are retaking it (whether due to a withdrawal or to improve a grade), all submitted work must be original and created anew for this semester. Resubmitting past work, even your own, without explicit permission is not allowed and will be treated as a breach of academic integrity.

- Consequences: Breaches of academic integrity, including but not limited to cheating, collusion, plagiarism, and duplicate submission, will result in serious disciplinary action. This may range from failing the assignment to potentially failing the course, depending on the violation's severity. Each case will be carefully reviewed in accordance with the RIT Academic Integrity Policy.

- For full details on the policy and your responsibilities within it, please visit RIT's Academic Integrity website.

VII-D. Generative AI (e.g., ChatGPT)

- Coding solutions must be your own work, which means you cannot use generative AI tools in any manner to write your programs for you. Doing so would count as Cheating above. When learning fundamental skills, you need to ensure that *you* master the basics. If we doubt authorship, we may ask you to explain the code or re-create aspects of the code in one of our labs – you must show that you have mastered the fundamentals.

- We'll occasionally work with some of those tools so that you can learn to use them effectively. In general, however, before resorting to the use of AI to create content submitted in this class you should communicate with your instructor. If and when you do use AI assistance, you should explicitly acknowledge so and describe how and to what extent AI was utilized in your documentation.

VIII. Important RIT Deadlines

- Note the deadlines for Add/Drop & "W" here: https://www.rit.edu/calendar
- You have one semester after the class has ended to challenge your grade.

IX. Notices of Accommodation

If you have a "Notice of Accommodation", I should have received a copy electronically. Please discuss this with me after class or during my office hours, so that I can make sure all of your accommodations are met.

X. Discrimination and Harassment

RIT is committed to providing a safe learning environment, free of harassment and discrimination as articulated in our university policies located on our governance website. RIT's policies require faculty to share information about incidents of gender based discrimination and harassment with RIT's Title IX coordinator or deputy coordinators, regardless whether the incidents are stated to them in person or shared by students as part of their coursework.

If you have a concern related to gender-based discrimination and/or harassment and prefer to have a confidential discussion, assistance is available from one of RIT's confidential resources on campus (listed below).

1. The Center for Women & Gender: Campus Center Room 1760 585-475-7464; CARES (available 24 hours/7 days a week) Call or text 585-295-3533.
2. RIT Student Health Center – August Health Center/1st floor 585-475-2255.
3. RIT Counseling Center - August Health Center /2nd floor – 2100 585-475-2261.
4. The Ombuds Office – Student Auxiliary Union/Room 1114 585-475-7200 or 585-475-2876.
5. The Center for Religious Life – Schmitt Interfaith Center/Rm1400 585-475-2137.
6. NTID Counseling & Academic Advising Services – 2nd Floor Lynden B. Johnson 585-475-6468 (v), 585-286-4070 (vp)

XI. Finally...

Any or all of the previous information is subject to change or modification during the semester. Any changes to the syllabus will be visible on GitHub and announced in class.