



SYLLABUS
COLLEGE OF COMPUTING AND SOFTWARE ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
PREFIX IT-5443: WEB TECHNOLOGIES AND APPLICATIONS
SPRING 2021

Course Information

Class meeting time: Wednesdays 6:30 pm – 7:45 pm
Modality and Location: Hybrid. Atrium Building 262
Syllabus is posted in D2L

Instructor

Name: Dr. Maria Valero
E-mail: mvalero2@kennesaw.edu
Office Location: Atrium J-312
Office Phone: (470) 578-7638
Office Hours: Wed 4:00pm – 5:30 pm (In office) or by appointment
 Thus 4:00pm – 5:00 pm (online) or by appointment

Course Communication:

- Email is the best way to reach the instructor. Please email me directly from your KSU email address. (e.g. yourlogin@students.kennesaw.edu)
- Use D2L Discussion Forums and D2L Chat to interact with your classmates
- Students' emails will be replied WITHIN 24 hours during the weekday. Weekend and holidays don't apply.
- When email the instructor using accounts other than D2L email, put the course number in the subject line. Emails without proper subject line will not be replied.
- Avoid using personal email. Sensitive information (such as your grades) can ONLY be sent to D2L email or KSU email account.

Course Description

Prerequisites/Corequisites: IT5413 Software Design and Development

Credit Hours: 3

Course Website:

D2L Brightspace: <https://kennesaw.view.usg.edu/d2l/home/2200775>

- It is important to know how to use this learning management system for: following learning modules, submitting assignments, checking grades and feedback, downloading files, participating discussion boards, etc.
- Please check the course site regularly for important announcements and other issues.

Learning Materials:

- Required textbook: none. We are happy to offer this course using No-Cost-To-Students Learning Materials, developed under the support from a grant by Affordable Learning Georgia.
- Required readings (from different sources) will be assigned in each learning module.
- Recommended general learning resources:
 - <https://www.w3schools.com>
 - <https://developer.mozilla.org>
 - <https://www.codecademy.com>
 - <http://www.w3resource.com>
 - <http://html.net>

Course Description:

This course introduces World Wide Web as a fundamental information and application platform for today's information systems. Students will examine core aspects of web technologies and web applications and will develop usable websites. Independent research on an assigned topic is also required. This course is part of the MSIT foundation courses that aim to provide a quick coverage of fundamental IT knowledge that is needed for later MSIT studies.

Technology Requirements:

- This class uses D2L as hosting site. Run a system check to ensure your computer work with D2L. Check out UITS D2L training: <http://uits.kennesaw.edu/support/d2ltraining.php> .
- Internet Connection. A high-speed Internet connection such as DSL or cable Internet access is highly recommended. You may also use computer labs on campus to complete the coursework.
- Code editor and browser: I recommend Notepad++: <http://notepad-plus-plus.org/> or VS Code <https://code.visualstudio.com>
- Web hosting/server: Microsoft Azure/IIS <https://azure.microsoft.com> (basic tier free subscription)
- Other software: software that can open Word, PowerPoint, Excel, PDF, and ZIP files.

Student Learning Outcomes

By the end of this course, a student should be able to:

- Explain different components and technologies of World Wide Web as a platform.
- Design and develop websites using fundamental web languages, technologies, and tools
- Distinguish between server-side and client-side web technologies.
- Describe various web technology and application development issues and trends.
- Conduct independent research on a subject related to the course material.

Course Requirements and Assignment

The requirements of this course are listed as follows.

Quizzes: There are five (5) quizzes which mainly contain multiple choice and short answer questions related to the content of corresponding learning modules.

Projects/Assignments: There are three (3) main assignments called Milestones. On each milestone, the student gradually develops a completely functional Web site from HTML, CSS, JavaScript, PHP, etc.

Research Paper: This is an individual student work to conduct and in-depth research on a focus area of Web Development. Student must select a topic a get approval from the instructor.

Evaluation and Grading Policies

Weight Distribution

Grading Item	Points
Quizzes (5)	50
Projects/ Assignments (3)	30
Research	20
Total	100

Grading Scale:

90% - 100% A

80% - 89% B

70% - 79% C

60% - 69% D

0% - 59% F

Grades will be rounded up if they are $>$ or $= .5$ or above, for example, an 89.6 is an A, but 79.2 is a C.

Course Policies

Course Attendance Policy

- For on campus/hybrid section, students are expected to come to each class on time. Stay during the whole class period.
- For hybrid and online section, students' attendance is also measured by how often a student login in D2L course website, participation of online discussion, as well as on-time completion of homework.

Grading Items Turnaround Time

- The grades for the quizzes and exams will be available 48 business hours after the due date
- The grades for labs/assignments/projects will be available 96 business hours after the due date

Assignments & Exam Policy

- All assignments **MUST** be submitted through D2L (<https://kennesaw.view.usg.edu/>) course website by the deadline specified in course calendar. Email submission will **NOT** be accepted. Any assignment that is less or equal than 24 hours late is subject to 10% penalty. Any assignment that is less or equal than 48 hours late is subject to 20% penalty. Any assignment that is more than 48 hours late will **NOT** be accepted.
- All quizzes and exams **MUST** be completed on D2L website by the deadline specified in course calendar. The quizzes exams can't be opened/submitted after the deadline.
- If you must miss an exam due to illness, you must e-mail or call the instructor before the scheduled time. Failure to notify the instructor prior to the scheduled time will produce an automatic zero for the exam. **NO** makeup test except for emergencies with proof (e.g. doctor's slip).

Student Responsibility

For this class, you are expected to spend seven to eight hours each week on coursework:

- Check KSU email regularly;
- Login D2L course website frequently to access the course material (at least every other day);
- Follow the weekly study guide in the learning module;
- Study the assigned material such as virtual lectures, textbook chapters and the PowerPoint slides;
- Complete assigned quiz/assignment/discussion/project on time.
- On every Monday, you will be provided with the following materials:
 - An overview of our contents, materials, and goals for this week (this is where you start from: all homework, quizzes, assignments will also be announced in this study guide).
 - Assigned reading from textbooks and/or provided material.
 - PowerPoint slides.
 - Homework assignments, or lab, or quiz.
- During each week, you should:
 - Read the assigned sections of the textbook and/or provided materials.
 - Digest the PowerPoint slides.
 - Take online quiz if assigned.
 - Finish homework assignments and submit it on time.

Tips for Effective Online Learning

For an online class, students can really enjoy the benefits of learning at your own pace and at the place of your choice. Below are some tips for effective online learning.

- *Check D2L course website frequently.* It's recommended that students should login D2L course site **AT LEAST** every other day. Always be aware of current status of the course. Take advantage of the posted learning material such as recorded lectures.
- *Work with the instructor closely.* If you have any question, contact the instructor immediately. You can either email or text me and your message is guaranteed to be replied within 12 hours.
- *Start your work early.* If you can start a task early, don't start late. Assuming you spend the same amount of time completing the task, starting later will be much more stressful than starting early. Never start until the last minute! You'll have no turnaround time if you need help or something happens.
- *Keep up with the work.* Don't fall behind. If you do, contact the instructor immediately for what you need to do. The instructor may also contact you if he is concerned. Respond to the instructor's inquiry promptly.

Class Communication Rules

In any classroom setting there are communication rules in place that encourage students to respect others and their opinions. In an online environment, the do's and don'ts of online communication are referred to as **Netiquette**. As a student in my course you should:

- Be sensitive and reflective to what others are saying.
- **Avoid typing in all capitals** because it is difficult to read and is considered the electronic version of 'shouting'.
- Don't flame - These are outbursts of extreme emotion or opinion.
- Think before you hit the post (enter/reply) button. You can't take it back! Don't use offensive language.
- Use clear subject lines.
- Don't use abbreviations or acronyms unless the entire class knows them. Be forgiving. Anyone can make a mistake.
- Keep the dialog collegial and professional, humor is difficult to convey in an online

environment.

- Always **assume good intent** and **respond accordingly**. If you are unsure of or annoyed by a message, wait 24 hours before responding.

Course Schedule

The course schedule is tentative and is subject to change. Please use D2L course calendar as accurate due dates.

Week	Date	Course Contents	Assignments
01	01/11 – 01/17	Orientation	Introductions
02	01/18 – 01/24	Mod Web Intro: Web as platform and its components	
03	01/25 – 01/31	Mod HTML: HTML Basics	Quiz 1
04	02/01 – 02/07	Mod CSS: Stylesheet	Milestone 1
05	02/08 – 02/14	Mod JavaScript: JavaScript Language Basics	Quiz 2 Research Team
06	02/15 – 02/21	Mod DHTML: Dynamic page using DOM, CSS, and JS	
07	02/22 – 02/28	Mod Forms: Form Processing at the client side	Quiz 3
08	03/01 – 03/07	Mod UX: User experience, usability, accessibility Research Project Overview	Milestone 2 Research Topic
09	03/08 – 03/14	SPRING BREAK	
10	03/15 – 03/21	Mod Sever Side: Web server, HTTP, HTTP Request	
11	03/22 – 03/28	Mod PHP Input: PHP	Quiz 4
12	03/29 – 04/04	Mod Web 2.0: Web 2.0 ideas, applications, and technologies	Milestone 3
13	04/05 – 04/11	Mod Mobile Web: Mobile Web	
14	04/12 – 04/18	Mod Web Security: Web security at different levels	Quiz 5
15	04/19 – 04/25	Work on research	Research Report
16	04/26 – 05/02	Final Week	

Important dates:

- Add/Drop ends: Jan 15 11:45pm
- Last Day to Withdraw Without Academic Penalty: Mar 15 11:45 p.m.
- Last Day to Withdraw for the Term With a WF: Apr 26.
- Last Day of Class: May 3.

Institutional Policies

- [Federal, BOR, & KSU Course Syllabus Policies](#)
- [Academic Integrity Statement](#)
 - Examples of violation of academic integrity: 1) copy from others or from Internet; 2) allow others to copy your work; 3) use other's help or help other in completing the quizzes or exams.
 - The first violation of academic integrity, the student will immediately receive 0 for the associated grading item. For the 2nd violation, the student will receive a fail grade for this course.

KSU Statements on COVID-19

Face Masks in The Classroom

As mandated by the University System of Georgia, the university requires the use of face masks in the classroom and in KSU buildings to protect you, your classmates, and instructors. Per the University System of Georgia, anyone not using a face covering when required will be asked to wear one or must leave the area. Repeated refusal to comply with the requirement may result in discipline through the applicable conduct code.

Reasonable accommodations may be made for those who are unable to wear a face covering for documented health reasons. Please contact Student Disability Services at sds@kennesaw.edu for student accommodation requests.

Shifting Modalities

Please note that the university reserves the right to shift teaching modalities at any time during the semester, if health and safety guidelines require it to do so. Some teaching modalities that may be used are F2F, Hyflex, Hybrid, or online, both synchronous and asynchronous instruction.

Staying Home When Sick

If you are ill, please stay home and contact your health professional. In that case, please email the instructor to say you are missing class due to illness. Signs of illness include, but are not limited to, the following:

- Cough
- Fever of 100.4 or higher
- Runny nose or new sinus congestion
- Shortness of breath or difficulty breathing
- Chills
- Sore Throat
- New loss of taste and/or smell

Seating Plans

Students will sit in the same seat for every F2F class so that the instructor can use a seating plan for contact tracing if a student contracts Covid-19.

Student Resources

This link contains information on help and resources available to students: [KSU Student Resources for Course Syllabus](#)