



ITIS 5135-052 | Web-Based Application Design and Development | 3 credits

Instructor

Name: Dr. Debarati Basu

Office: Woodward Hall 330B

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Office Hours:

- Tuesday and Thursday, 10 – 11 am
- By appointment

Office hours are on Tuesday and Thursdays, and rest by appointment. I can be reached through email. Emails will be returned within 24 hours Monday through Friday. If I do not respond within 24 hours, please send me a reminder. If not urgent, I usually do not respond to emails over the weekend. Other than making an appointment, you can email me if you have a personal issue that you need to discuss and needs privacy. Otherwise, all course-related questions should be posted on Piazza (online discussion forum) so that our response can benefit you as well as your peers. Please make appointments if you want to have an audio/video chat.

Teaching Assistants

Name: Shane Gill

Email: sgill14@uncc.edu

Office Hours (Cone 163):

- Tuesday & Thursday, 6PM - 7PM
- By appointment via email

Name: Abinaya Vaidhyanathan

Email: avaidhya@uncc.edu

Office Hours (Cone 163):

- Monday: 3- 4 pm
- Friday: 11 am - 12 pm

Name: John Won

Email: jwon5@uncc.edu

Office Hours (Cone 163):

- Monday: 11 am -12 pm
- Wednesday: 2 - 3 pm

Name: Niveditha Gopalkrishna

Email: ngopalk1@uncc.edu

Office Hours (Cone 163):

- Wednesday 10 - 11 am
- Friday 5 - 6 pm

Course Description:

In this course, students will learn to design and develop interactive web-based applications. Topics include components of a web application, web design and development guidelines, programming languages for web applications, the Document Object Model (DOM), event-driven programming, and asynchronously exchange of data. You will need basic programming skills to join this course.

Course Pre-requisite:

Departmental permission required.

Meeting Times:

It is an online class. We will not have common regular class hours. You will complete course activities and communication will be via the Piazza platform. Also, our office hours are listed in the previous page. Office hours will be conducted via Canvas chat. Please make appointments if you want to have a video chat.

Course Objectives:

- Identify the components of web applications
- Design webpages following web design guidelines and using a markup language and a style sheet language
- Develop interactions within a webpage using a scripting language
- Develop web pages that can asynchronously exchange data with a web server
- Present a completely developed interactive web application

Required Materials:

- zyBook ITIS 3135
 1. Sign in or create an account at learn.zybooks.com
 2. Enter zyBook code: UNCCITIS3135BasuSpring2020
 3. Subscribe
- Murach's JavaScript and jQuery (3rd Edition)
by Mary Delamater and Zak Ruvalcaba
18 chapters, 632 pages, 252 illustrations
Published February 2017

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Course Topics:

- HTML tags
- CSS tags
- Web Design
- JavaScript
- DOM
- Web Accessibility
- jQuery
- jQuery Plugins
- AJAX
- Web Security

Grading Criteria:

Course Element	Percentage
Zybook Activities	10%
Quizzes (lowest two grades dropped)	10%
Exercises (2 lowest two lab grades dropped)	20%
Mid-Term Activity	5%
Active participation	5%
Interactive Web Application Project	50%
Total	100%

Submissions:

Canvas will be used for all the submissions in this course. Please read “Canvas, Grading Criteria, Course Activities, Feedback and Submissions” page on canvas for details.

Grading Scale:

A 100 % to 90.0%

B <90.0 % to 80.0%

C <80.0 % to 70.0%

U <70.0 % to 0.0%

General Course Policies:

Syllabus Revision:

The standards and requirements set forth in this syllabus may be modified at any time by the course instructor. Notice of such changes will be by announcement on the course website at <https://canvas.uncc.edu>.

Credit Workload:

This 3-credit course requires 9 hours of work each week for approximately 16 weeks. Your work include but not limited to: course readings, practice problems, quizzes, exercise activities, online discussions, reflection quizzes, mid-term activity and project assignments.

Classroom Ambience:

We will conduct this class in an atmosphere of mutual respect. Everyone is encouraged to actively participate on online discussions. Please read the "Learning Community and Communication Principles" page on Canvas for details on how we will communicate with each other. Together, we will strive to create a learning environment where we support diversity of thoughts, perspectives and experiences. This environment will help us to support, learn from each other, and succeed in this course. Your TAs and I will manage the discussions so that ideas, opinions and thoughts are not diverted from the topic of discussion. In case of misconduct or inappropriate behavior, actions will be taken. If you have any questions or concerns, please do not hesitate to contact me.

Participation:

We expect all of you to participate in all study group discussions, course discussions and activities. We also expect you to complete all course activities on time and participate in all class activities for the duration of the semester. Failure to do all the activities in time will impact your ability to achieve course objectives which could affect your course grade. Missing a course activity, does not relieve you of any course requirement. However, an unexcused course activity may prohibit you from submitting work for credit. Completing regular course activities is a your obligation, as is a responsibility for all the work of course, mid-term and project.

The authority to excuse a student's class deadline on any activity and to grant a student an academic accommodation (turn in a late assignment(s), provide extra time on an assignment, reschedule an exam(s) etc.) sits with the **Dean of Students Office**. The Office will assist faculty members in the verification a student's class absence(s) for documented situation related to medical, psychological, personal crisis, or military absences. All requests should go to the Dean of Students Office. For any other condition, you can contact me as soon as possible with an

evidence/document supporting the condition. Opportunities to make up missed points for reasons such as illness, car troubles, family crises, etc. will be decided on a case by case basis.

Inclusivity:

Preferred Name and Gender Pronoun: This course affirms people of all gender expressions and gender identities. If you prefer to be called a different name than what is indicated on the class roster, please let me know. Feel free to correct me on your preferred gender pronoun. If you have any questions or concerns, please do not hesitate to contact me.

Non-Discrimination: We are all expected to engage with each other respectfully. Unwelcome conduct directed toward another person based upon that person's actual or perceived race, actual or perceived gender, color, religion, age, national origin, ethnicity, disability, or veteran status, or for any other reason, may constitute a violation of University Policy 406, The Code of Student Responsibility. Any student suspected of engaging in such conduct will be referred to the Office of Student Conduct for possible conduct action.

Academic Integrity Policy:

You are required to read and abide by *The Code of Student Academic Integrity*. Violations of the Code of Student Academic Integrity, including plagiarism, will result in disciplinary action as provided in the Code. Definitions and examples of plagiarism are set forth in the Code. The Code is available from the Dean of Students Office or online at:

<http://legal.uncc.edu/policies/up-407> . **The Code of Student Academic Integrity code will be strictly enforced** and is binding on you. Grade and academic evaluations in this course include a judgment that the student's work is free from academic dishonesty of any type; and grades in this course therefore should be and will be adversely affected by academic dishonesty. Students who violate the code can be expelled from UNC Charlotte. *The normal penalty for a first offense is zero credit on the work involving dishonesty and further substantial reduction of the course grade. In almost all cases, the course grade is reduced to an F.*

I may ask you to produce identification for any submission and may require you to demonstrate that graded activities completed by you are your own work.

As a condition of taking this course, all required course submissions may be reviewed for textual similarity using tools like *VeriCite* (or other similar services, like *MOSS* or *Turnitin*) for the detection of plagiarism. All submissions will be included as source documents in the service reference database solely for the purpose of detecting plagiarism. No student papers will be submitted to this service without a student's written consent
(<http://teaching.uncc.edu/sites/teaching.uncc.edu/files/media/VeriCite/VeriCite Limited>

Copyright Permission and FERPA Disclosure Consent Form.pdf) and permission. If a student does not provide such written consent and permission, the instructor may require the cover page and first cited page of each reference source to be photocopied and submitted with the final paper.

Copyright

All course materials, including presentations, videos, quizzes, exercises, assignments and similar materials, are protected by copyright. I am the exclusive owner of those materials I create. I encourage you to take notes and make copies of course materials for your own educational use. However, you may not, nor may you knowingly allow others to reproduce or distribute lecture notes and course materials publicly without my expressed written consent. This includes providing materials to commercial course material suppliers such as CourseHero and other similar services. Students who publicly distribute or display or help others publicly distribute or display copies or modified copies of an instructor's course materials may be in violation of University Policy 406, The Code of Student Responsibility. Similarly, you own copyright in your original papers and exam essays. If I am interested in posting your answers or papers on the course web site, I will request your written permission."

Title IX Reporting Obligations:

UNC Charlotte is committed to providing an environment free of all forms of discrimination and sexual harassment, including sexual assault, domestic violence, dating violence, and stalking. If you (or someone you know) has experienced or experiences any of these incidents, know that you are not alone. UNC Charlotte has staff members trained to support you in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and more.

Please be aware that many UNC Charlotte employees, including all faculty members, are considered *Responsible Employees* who are required to relay any information or reports of sexual misconduct they receive to the Title IX Coordinator. **This means that if you tell me about a situation involving sexual harassment, sexual assault, dating violence, domestic violence, or stalking, I must report the information to the Title IX Coordinator.** Although I have to report the situation, you will still have options about how your case will be handled, including whether or not you wish to pursue a formal complaint. Our goal is to make sure you are aware of the range of options available to you and have access to the resources you need.

If you wish to speak to someone confidentially, you can contact any of the following on-campus resources, who are not required to report the incident to the Title IX Coordinator: (1) University Counseling Center (counselingcenter.uncc.edu, 7-0311); (2) Student Health Center (studenthealth.uncc.edu, 7-7400); or (3) Center for Wellness Promotion (wellness.uncc.edu, 7-7407). Additional information about your options is also available at titleix.uncc.edu under the "Students" tab.

Sexual Harassment Policy:

All students are required to abide by the UNC Charlotte Sexual Harassment Policy and Grievance Procedures (available online at: <http://legal.uncc.edu/policies/up-502>) and the policy on Responsible Use of University Computing and Electronic Communication Resources (available online at: <http://legal.uncc.edu/policies/up-307>). Sexual harassment, as defined in the Sexual Harassment Policy and Grievance Procedures, is prohibited, even when carried out through computers or other electronic communications systems, including course-based chat rooms or message boards.

Religious Accommodation:

Students who, acting in accordance with this Policy, miss course activities, examinations or other assignments because of a religious practice or belief must be provided with a reasonable alternative opportunity to complete such academic responsibilities. It is the obligation of students to provide faculty with reasonable notice of the dates of religious observances on which they will be absent by submitting a [Request for Religious Accommodation Form](#) to their instructor prior to the census date for enrollment for a given semester. The census date for each semester (typically the tenth day of instruction) can be found in [UNC Charlotte's academic calendar](#).

Student Grievances:

Student Grievances Students enrolled in courses at the University of North Carolina at Charlotte who would like to file a complaint regarding their experience may do the following: 1. Refer to the UNC Charlotte Student Grievance Procedure. Students may also contact UNC Charlotte's regional accrediting agency, the Southern Association of Colleges and Schools Commission on Colleges. 2. Students residing outside of North Carolina while attending UNC Charlotte may file a complaint in their state of residence. As required by federal regulations, students are directed to the list of resources here, compiled and updated by the State Higher Education Executive Officers.

Withdrawals:

Students are expected to complete all courses for which they are registered at the close of the add/drop period. If you are concerned about your ability to succeed in this course, it is important to make an appointment to speak with me as soon as possible. The University policy on withdrawal allows students only a limited number of opportunities available to withdraw from courses. It is important for you to understand the financial and academic consequences that may result from course withdrawal (<https://provost.uncc.edu/policies-procedures/academic-policies-and-procedures/withdrawal-and-cancellation-enrollment-policy>).

Incompletes:

The grade of I is assigned at the discretion of the instructor when a student who is otherwise passing has not, due to circumstances beyond his/her control, completed all the work in the course. The missing work must be completed by the deadline specified by the instructor, and no later than 12 months. If the I is not removed during the specified time, a grade of F, U, or N, as appropriate is automatically assigned. The grade of I cannot be removed by enrolling again in the same course, and students should not re-enroll in a course in which they have been assigned the grade of I. University policy addressing Incompletes.

Student Support:**Disability Support Services:**

Students in this course seeking accommodations to disabilities must first consult with the Office of Disability Services and follow the instructions of that office for obtaining accommodations. The Office of Disability Services works with current undergraduate and graduate students along with prospective students to ensure equal access to UNC Charlotte's campus and educational programs.

All services are dependent upon verification of eligibility. Once approved for services, students receive accommodations which are based upon the nature of an individual's disability and documented needs. Students are strongly encouraged to register or check-in for their accommodations with a Disability Services counselor as soon as they have registered for classes. Accommodations are not retro-active and will not begin until the student notifies his or her faculty by providing the Letter of Accommodation.

Please visit the Office of Disability Services at for additional resources, email questions to disability@uncc.edu, or call 704-687-0040 (tty/v) for more information.

Student Support Services:

Be sure to take advantage of the wealth of resources and support available at UNC Charlotte. Some of the resources available to you include the University Writing Resource Center, University Counseling Center, and the J. Murrey Atkins Library.

- [University Center for Academic Excellent \(UCAE\) | \(704\) 687 7837 | uncc-ucae@uncc.edu](http://ucaae@uncc.edu)
- [University Writing Resources Center \(WRC\) | 704-687-1899 | wrchelp@uncc.edu](mailto:wrc@uncc.edu)
- [Veteran Student Services | 704-687-5488 | veteranservice@uncc.edu](mailto:veteranservice@uncc.edu)
- [University Counseling Center | 704-687-0311](http://uncc.edu/counseling)
- [Multicultural Resource Center | 704-687-7121 | mrc@uncc.edu](mailto:mrc@uncc.edu)

- [List of computer labs on campus](#)
- [Atkins Library Laptop Lending program](#)

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable her to provide any resources that she may possess.

End of Syllabus