

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>10-11-21</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Electrical Engineering and Computer Science College Engineering and Computer Science <i>(To obtain a course number, contact erudolph@fau.edu)</i>		
Prefix COP Number 4808	<i>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</i> Lab Code	Type of Course <div style="border: 1px solid red; padding: 2px;">Lecture</div>	Course Title Full-Stack Web Development
Credits <i>(Review Provost Memorandum)</i> 3	Grading <i>(Select One Option)</i> Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	Course Description <i>(Syllabus must be attached; Syllabus Checklist recommended; see Guidelines)</i> The purpose of this course is to teach students how to design and develop websites and web-based applications using contemporary tools and standards. This course is project-oriented. Students will develop hands-on knowledge of some of the latest web development tools, languages and frameworks, and use that knowledge to complete several web-based projects.	
Effective Date <i>(TERM & YEAR)</i> Spring 2022	Prerequisites, with minimum grade* COP 3530 or COP 3410 with "C" or better		Corequisites _____
		Registration Controls <i>(Major, College, Level)</i> _____	
*Default minimum passing grade is D-. Prereqs., Coreqs. & Reg. Controls are enforced for all sections of course			
WAC/Gordon Rule Course <input type="radio"/> Yes <input checked="" type="radio"/> No <i>WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines.</i>		Intellectual Foundations Program (General Education) Requirement <i>(Select One Option)</i> None <i>General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines.</i>	
Minimum qualifications to teach course PhD in CS, CE or EE			
Faculty Contact/Email/Phone Hanqi Zhuang, zhuang@fau.edu, 5612973413		List/Attach comments from departments affected by new course _____	
Approved by Department Chair _____ College Curriculum Chair <u>Dan Meeroff</u> College Dean <u>Fred Bloetacher</u> UUPC Chair <u>Dan Meeroff</u> Undergraduate Studies Dean <u>Edward Pratt</u> UFS President _____ Provost _____		Date 9/23/2021 <u>10-4-21</u> <u>10-4-21</u> <u>10-11-21</u> <u>10-11-21</u> _____ _____	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

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1. Course title/number, number of credit hours	
Full-Stack Web Development – COP 4808	3 credit hours
2. Course prerequisites, corequisites, and where the course fits in the program of study	
COP 3530 or COP 3410 with "C" or better	
3. Course logistics	
Term: TBD Class location and time:	
4. Instructor contact information	
Instructor's name Office address Office Hours Contact telephone number Email address	TBD
5. TA contact information	
TA's name Office address Office Hours Contact telephone number Email address	TBD
6. Course description	
The purpose of this course is to teach students how to design and develop websites and web-based applications using contemporary tools and standards. This course is project-oriented. Students will develop hands-on knowledge of some of the latest web development tools, languages and frameworks, and use that knowledge to complete several web-based projects.	
7. Course objectives/student learning outcomes/program outcomes	
Course objectives Assessment	The purpose of this course is to teach students how to design and develop websites and web-based applications using contemporary tools and standards. This course is project-oriented. Students will develop hands-on knowledge of some of the latest web development tools, languages and frameworks, and use that knowledge to complete several web-based projects.
Student learning outcomes & relationship to ABET 1-7 outcomes	<ul style="list-style-type: none"> · To understand the essential components of Internet-based applications. · To learn how to create interactive web pages and web-based applications using programming · To provide a solid conceptual understanding of the main standards and technologies associated · To enable a hands---on experience by developing web-based projects using some of the latest tools, languages, techniques, and best practices.

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8. Course evaluation method	
Homework - 20% Quiz 1 - 20% Quiz 2 - 20% Quiz 3 - 20% Quiz 4 - 20%	<i>Note:</i> The minimum grade required to pass the course is C.
9. Course grading scale	
Grading Scale: "A", 90-100: "A-", 85-89: "B+", 80-84: "B", 75-79: "B-", 70-74: "C+", 65-69: "C", 60-64: "C-", 55-59: "D+", 50-54: "D", 45-49: "D-", 40-44: 39 and below: "F."	
10. Policy on makeup tests, late work, and incompletes	
<p><i>Makeup tests</i> are given only if there is solid evidence of a medical or otherwise serious emergency that prevented the student from participating in the exam.</p> <p><i>Late work</i> is not acceptable unless the instructor previously agreed.</p> <p><i>Incomplete grades</i> are against the policy of the department. Unless there is solid evidence of a medical or otherwise serious emergency situation incomplete grades will not be given.</p>	
11. Special course requirements	
TBD	
12. Classroom etiquette policy	
<p>Due to the casual communication common in the online environment, students are sometimes tempted to relax their grammar, spelling, and/or professionalism. Please remember that you are adult students and professionals—your communication should be appropriate.</p> <p>Disruptive behavior is defined in the FAU Student Code of Conduct as "... activities which interfere with the educational mission within the classroom." Students who disrupt the educational experiences of other students and/or the instructor's course objectives in a face-to-face or online course are subject to disciplinary action. Such behavior impedes students' ability to learn or an instructor's ability to teach. Disruptive behavior may include, but is not limited to non-approved use of electronic devices (including cellular telephones); cursing or shouting at others in such a way as to be disruptive; or, other violations of an instructor's expectations for classroom conduct.</p>	
13. Attendance policy statement	
<p>Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance.</p> <p>Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's</p>	

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responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

14. Disability policy statement

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

15. Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

16. Code of Academic Integrity policy statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#). If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation.

17. Required texts/reading

TBD

18. Supplementary/recommended readings

N/A

19. Course topical outline, including dates for exams/quizzes, papers, completion of reading

- Overview
- HTML
- CSS
- Bootstrap
- Programming with Javascript
- PHP
- Web-based Databases
- ReactJS Development
- NodeJS Development
- Back-end Development

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- Full-stack Deployment
- Mobile Web Development