

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>1/27/20</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Ocean & Mechanical Engineering College Engineering & Computer Science (To obtain a course number, contact erudolph@fau.edu)		
Prefix EOC Number 4133	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code _____	Type of Course Lecture	Course Title Introduction to Programming for Ocean & Mechanical Engineers
Credits (Review Provost Memorandum) 3	Grading (Select One Option) Regular <input checked="" type="radio"/> Pass/Fail <input type="radio"/> Sat/UnSat <input type="radio"/>	Course Description (Syllabus must be attached; Syllabus Checklist recommended; see Guidelines) This course will introduce the fundamentals of programming required for Ocean and Mechanical Engineering applications and data analysis using MATLAB and C/C++. The material will cover basic concepts such as arrays and vectors, strings, 'for' and 'while' loops, conditional 'if-else' statements, Boolean logic, and writing modular user-defined functions. The emphasis will be on Ocean and Mechanical Engineering applications	
Effective Date (TERM & YEAR) Fall 2020	Prerequisites, with minimum grade* Calculus II (MAC 2312), with a grade of C or above		Corequisites Registration Controls (Major, College, Level)
*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 WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. See WAC Guidelines .		Intellectual Foundations Program (General Education) Requirement (Select One Option) None General Education criteria must be indicated in the syllabus and approval attached to the proposal. See GE Guidelines .	
Minimum qualifications to teach course MS degree in related engineering field			
Faculty Contact/Email/Phone Dr. Sid Verma		List/Attach comments from departments affected by new course	
Approved by Department Chair <u>Mahesh Patel</u> College Curriculum Chair <u>[Signature]</u> College Dean <u>[Signature]</u> UUPC Chair <u>[Signature]</u> Undergraduate Studies Dean <u>Erudolph</u> UFS President _____ Provost _____		Date _____ <u>1-25-20</u> <u>1-27-20</u> <u>1/30/20</u> _____ _____	

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