

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>11/4/19</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Civil, Environmental & Geomatics Engineering College Engineering and Computer Science (To obtain a course number, contact erudolph@fau.edu)		
Prefix CES Number 4528	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code _____	Type of Course Lecture	Course Title Structural Design of Buildings
Credits (Review <i>Proposi</i> 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 <i>Checklist</i> recommended; see <i>Guidelines</i>) Course covers the fundamental concepts to determine the wind and seismic forces used in the design of buildings. Using the provisions of ASCE 7, wind and seismic force magnitudes, distributions and direction are determined for typical buildings. Wind forces are studied for the MWFRS, and for the Components and Cladding. Dynamic analysis of SDOF and MDOF building models are studied. Load transfer through the diaphragm to the lateral force resisting system is studied to determine member forces, drift and torsion.	
Effective Date (TERM & YEAR) Fall 2020		Prerequisites , with minimum grade* CES 3102C with minimum grade of "C"	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 <i>WAC Guidelines</i> .	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 <i>GE Guidelines</i> .		
Minimum qualifications to teach course Ph.D. with graduate-level education in structural engineering (or closely related field)			
Faculty Contact/Email/Phone Prof. Barry Rosson/rosson@fau.edu/7-4554	List/Attach comments from departments affected by new course		
Approved by Department Chair _____ College Curriculum Chair _____ College Dean _____ UUPC Chair _____ Undergraduate Studies Dean _____ UFS President _____ Provost _____	Date <u>11/1/2015</u> <u>11/3/15</u> <u>11/4/19</u> <u>11/6/19</u>		

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