

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Undergraduate Programs		UUPC Approval <u>2/25/19</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Civil Environmental and Geomatics Engineering College College of Engineering and Computer Science (To obtain a course number, contact erudolph@fau.edu)		
Prefix EGN Number 4732	(L = Lab Course; C = Combined Lecture/Lab; add if appropriate) Lab Code _____	Type of Course Select One	Course Title Fundamentals of Energy Engineering
Credits (Review <u>Provost Memorandum</u>) 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 <u>Checklist</u> recommended; see <u>Guidelines</u>) This course provides an overview of renewable energy technology and outlines the basic principles of solar electricity, solar water heating, wind power, marine renewable energy, micro-hydro, biomass and heat pumps and their application in urban and rural environments. In addition, the fundamentals of conventional power generation (fossil fuel, nuclear, etc.) are discussed.	
Effective Date (TERM & YEAR)	Prerequisites, with minimum grade* PHY2048 or equivalent with minimum grade of "C"		Corequisites None
		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 <u>WAC Guidelines</u> .		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 <u>GE Guidelines</u> .	
Minimum qualifications to teach course PhD in Civil, Environmental, Ocean, Mechanical or Electrical Engineering or closely related fields			
Faculty Contact/Email/Phone Dr. VanZwieten/jvanzwi@fau.edu/7-0955		List/Attach comments from departments affected by new course No other departments affected	
Approved by Department Chair _____ College Curriculum Chair _____ College Dean _____ UUPC Chair _____ Undergraduate Studies Dean <u>Erin E. Pratt</u> UFS President _____ Provost _____			Date _____ <u>2/14/2019</u> <u>2/22/19</u> <u>2/25/19</u> <u>2/26/19</u> _____ _____

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