MECH1905 Building for Contemporary Living

Course Code: MECH1905		Course Title: Building for Contemporary Living	
Required Course Or Elective Course:		Terms Offered (Credits): Spring (3 credits)	
Faculty In Charge: Yi-Kuen Lee		Pre/Co-Requisites: NA	
Course Structure: 2 classes (1.5 hours) per week			
Textbook/Required Material: Class notes and online references on Canvas			
 systems and how they reconvenience to the occur conditioning are of high i indoor air quality for comfi (2) Most technologies require also introduce the latest trimaintain the sustainability and operation. (3) The aim of the course is to be a substained operation. 	r Buildings	nodern mechanical engineering technologies to buildings gs. A wise design of building systems could offer high ilding systems such as water supply, safety and air aintain a satisfying temperature, humidity, lighting and efficient working. de the services needed and understandably. This course esign, such as intelligent and green buildings and how to the whole building in terms of building duration, energy as fundamental understanding and latest case studies on temporary living, and the difficulties we are facing that	
Course Objectives:	1. To equip the	students with fundamental working principles and in building services	
	 To introduce mechanical e To provide students 	basic and entry level theories and terminology of ngineering that are foundations of building services udents an overview and understanding of the social and al influence related to building services	
Course Outcomes:	science will b how energy is	grouped to a mini project where the basic principles of e applied to the development of building systems and s used and the consequential social and philosophical of scientific discoveries and technological development ated.	

	 Societal and behavioral issues raised from the developments of contemporary living will be analyzed. Along with different cases studies and guest lecture to extend the exposure of students to international building projects. The importance of physical, psychological, social, and occupational wellness will be recognized and worked out with the development of different technology.
Assessment Tools:	 (1) Attendance and Quiz via Canvas 15 % (2) Mid-term Examination 35 % (3) Final Examination 50 %