

Department of Building Engineering			
Funamentals of Building Core Systems (68333)			
Total Credits	3		
major compulsory			
Prerequisites	-		
Course Contents			
Vertical Transportation in Buildings,WATER SUPPLY, WASTE DISPOSAL, FIRE AND BUILDINGS			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	1- Ability to understand all requirements of vertical transportation systems in buildings	A	15 %
2	2- Ability to design elevator, escalator and moving Ramp systems and to select suitable units for any building	C	25 %
3	3- Ability to design water supply for buildings	C	20 %
4	Ability to design swage system for buildings	C	20 %
5	Ability to design fire alarm and protection system for buildings	C	20 %
Textbook and/ or References			
Benjamin Stein and John S. Reynolds, Mechanical and Electrical Equipment for Buildings, 11th Edition, 2010, John Wiley & Sons.			
Assessment Criteria		Percent (%)	
First Exam		25 %	
Second Exam		25 %	
Final Exam		50 %	
Course Plan			
Week	Topic		
1-5	Vertical Transportation in Buildings		
6-10	WATER SUPPLY		
11-13	WASTE DISPOSAL		
14-15	FIRE AND BUILDINGS		
16	FINAL EXAM		