

CMGT 235 - Mechanical and Electrical Systems

Term: Fall Semester - 2022
Days: Tuesday & Thursday
Time: 8:00 AM - 9:15 AM and 9:30 AM - 10:45 AM
Bldg: LANG 204

For Course Discussions, Handouts, Reading Material, and Homework Assignments see: <http://lorisweb.com>

Date	Day	No.	Topic
8/23	T	1	HVAC Fundamentals
8/25	R	2	Heat Loss in Buildings
8/30	T	3	Properties of Air - Psychrometrics
9/1	R	4	In Class Activity #1 - Heat Load Calc
9/6	T	5	Heat Gain in Buildings
9/8	R	6	Heating and Cooling Production Equipment
9/13	T	7	Air Distribution Systems
9/15	R	8	In Class Activity #2 - Mechanical Plans
9/20	T	9	Plumbing Equipment and Systems
9/22	R	10	Exam #1 - HVAC
9/27	T	11	Water Supply and Distribution
9/29	R	12	WSFU and Sizing Water Supply Piping
10/4	T	13	Drain, Waste, and Vent (DWV) / Isometric Drawings and Plumbing Plans
10/6	R	14	In Class Activity #3 - Sizing Water Supply Piping
10/11	T	15	DFU and Sizing Sanitary Piping
10/13	R	16	Storm Drainage
10/18	T	17	Fire Protection Systems
10/20	R	18	In Class Activity #4 - Plumbing Plans
10/25	T	19	Electrical Fundamentals
10/27	R	20	Exam #2 - Plumbing
11/1	T	21	Power Supply and Distribution
11/3	R	22	Electrical Material

Date	Day	No.	Topic
11/8	T	23	Voltage Drop
11/10	R	24	In Class Activity #5 - Electrical Plans and Specs
11/15	T	25	Commercial Building Electrical Systems
11/17	R	26	Sizing Electrical Raceway
11/22	T	27	Thanksgiving Break - No Class
11/24	R	28	Thanksgiving Break - No Class
11/29	T	29	Residential Service Entrance Calculation
12/1	R	30	In Class Activity #6 - Electrical Construction Estimating
12/6	T	31	MEP Coordination
12/8	R	32	Final Exam Review
TBA			Final Exam