

## CMGT 352 - Electrical and Mechanical Construction Estimating

**Term:** Fall Semester - 2021  
**Days:** Tuesday & Thursday  
**Time:** Tues: 3:30 pm - 5:20 pm and Thurs: 3:30 pm - 6:20 pm  
**Bldg:** OCNL 127

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

Date	Day	No.	Topic
8/24	T	1	MEP Estimating Course Overview. Introduction to Electrical Construction Estimating
8/26	R	2	Accubid Activity #1 - Getting Started with Accubid Pro. AOB Setup
8/31	T	3	Division 26 51 00: Interior Lighting Division 26 05 23: Control-Voltage Electrical Power Cables Division 26 56 00: Exterior Lighting AOB - 06 FIXTURES, 39 LIGHTING CONTROL/DIMMING, 43 SITE LIGHTING
9/2	R	4	Accubid Activity #2 - 06 FIXTURES QTO Accubid Activity #3 - 39 LIGHTING CONTROL/DIMMING QTO Accubid Activity #4 - 43 SITE LIGHTING
9/7	T	5	Division 26 27 00: Low-Voltage Distribution Equipment 08 DEVICES - LIGHTING 13 DEVICES - POWER
9/9	R	6	Accubid Activity #6 - 08 DEVICES - LIGHTING QTO Accubid Activity #7 - 08 DEVICES - POWER QTO
9/14	T	7	Division 26 24 00: Switchboards and Panelboards Accubid Office Building One-Line Diagram 01 SWITCHGEAR
9/16	R	8	Accubid Activity #8 - 01 SWITCHGEAR QTO
9/21	T	9	26 05 19: Low-Voltage Electrical Power Conductors and Cables 04 FEEDERS 05 MOTOR BR BRANCH/EQUIP. CONNECT
9/23	R	10	Accubid Activity #9 - 04 FEEDERS QTO Accubid Activity #10 - 05 MOTOR BR BRANCH/EQUIP. CONNECT QTO
9/28	T	11	Branch Layout: 07 LIGHTING BRANCH 12 POWER BRANCH 21 FIRE ALARM SYSTEM
9/30	R	12	Accubid Activity #11 - 07 LIGHTING BRANCH QTO Accubid Activity #12 - 12 POWER BRANCH QTO Accubid Activity #13 - 21 FIRE ALARM SYSTEM QTO

Date	Day	No.	Topic
10/5	T	13	Division 26 05 36: Cable Trays for Electrical Systems 16 CABLE TRAY 19 TELE/DATE CONDUIT 38 GROUNDING
10/7	R	14	Accubid Activity #14 - 16 CABLE TRAY QTO Accubid Activity #15 - 19 TELE/DATE CONDUIT QTO Accubid Activity #16 - 38 GROUNDING QTO Accubid Activity #17 - 44 INCOMING SERVICE - POWER QTO Accubid Activity #18 - 45 INCOMING SERVICE - TELEPHONE QTO
10/12	T	15	Plumbing Overview. Domestic Hot/Cold Water and Fixtures Autobid Activity #1 - Setting Up Trimble Autobid Mechanical On Screen Take Off
10/14	R	16	Autobid Activity #2 - H/CW and Fixtures QTO
10/19	T	17	Plumbing DWV
10/21	R	18	Autobid Activity #3 - DWV QTO
10/26	T	19	Plumbing Natural Gas, HHW and Boilers
10/28	R	20	Activity #4 - NG, HHW and Boilers QTO
11/2	T	21	Mechanical Piping CHW and Chillers
11/4	R	22	Activity #5 - CHW and Chillers QTO and Piping Wrap-up
11/9	T	23	Sheet Metal Overview, Supply and Return Air and Equipment
11/11	R	24	<b>Veterans Day - No Class</b>
11/16	T	25	Guest Speaker? Campus Field Trip?
11/18	R	26	Activity #6 - SA/RA QTO
11/23	T	27	<b>Thanksgiving Break - No Class</b>
11/25	R	28	<b>Thanksgiving Break - No Class</b>
11/30	T	29	Sheet Metal Exhaust and Equipment
12/2	R	30	Activity #7 - Exhaust Air QTO and Ductwork Wrap-up
12/7	T	31	AOB Final Estimate Cleanup and Bid Summary Accubid Activity #19 - Estimate Cleanup Accubid Activity #20 - Bid Summary
12/9	R	32	AOB Final Pricing and Bid Due
<b>TBA</b>			<b>Final Exam</b>