

CONM1108 - Principles of Estimating

Credits:	4 (2/2/0)
Description:	This course focuses on the basics of material, labor and equipment estimating. Students will learn to calculate the quantities of material comprising a project. These quantities will determine the primary portion of the direct costs used in a construction bid. This process will be the first step in completing accurate bids for construction projects of all sizes.
Prerequisites:	• CONM1101
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> 1. Prepare quantity takeoffs and estimates for multiple disciplines. 2. Estimate general requirements. 3. Estimate existing conditions. 4. Estimate concrete. 5. Estimate masonry. 6. Estimate metals. 7. Estimate carpentry. 8. Estimate thermal and moisture protection. 9. Estimate openings. 10. Estimate finishes. 11. Estimate specialties. 12. Estimate furnishings. 13. Estimate earthwork. 14. Calculate average crew cost. 15. Determine labor rate for estimating crew costs.
MnTC goal areas:	None

*Can be taking as a Prerequisite or Corequisite.