Minnesota State College Southeast

CARP 1215: Construction Estimating

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course is intended to introduce the student to the world of residential estimating. Many of the basic mathematical formulas will be covered. (Prerequisite: none) (2 credits: 2 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/06/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Learn How to Compute Numbers
2. Understand the Relationship Between Number Computations and the Construction Field
3. Learn How to Work with Formulas
D. LEARNING OUTCOMES (General)
   1. Convert fractions to decimals
   2. Calculate linear measurement
   3. Calculate square measurement
   4. Calculate surface areas
   5. Calculate square and rectangular volume
   6. Calculate cylinder volumes
   7. Calculate weight measurement
   8. Calculate board measure
   9. Calculate ratio and proportion
  10. Calculate exponents within formulas
  11. Calculate square root
  12. Estimate girders
  13. Estimate sills
  14. Estimate floor joists
  15. Estimate bridging
  16. Estimate rough flooring
  17. Estimate wall plates
  18. Estimate wall studs
  19. Estimate sheathing
  20. Estimate rafters
  21. Estimate soffit material
  22. Estimate roofing material
  23. Estimate doors and windows
  24. Estimate siding

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted