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