

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