

**DRFT-247 CONST PRACTICES & ESTIMATING**

4 CREDITS

**SYLLABUS**

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**CATALOG DESCRIPTION**

Methodology and quantity calculations including excavation, foundations, concrete and masonry structures, steel, framing, flooring, drywall, roofing, insulations, and finish work

Prerequisites: DRFT 248, Math 160, Math 180

Semester Offered: Spring

***COMMON STUDENT LEARNING OUTCOMES***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

**BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

**CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

**CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

**EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

**INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

**INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

**COURSE LEARNING OUTCOMES**

*Upon successful completion of the course, the student will be able to...*

1. Understand construction practices used in residential and commercial construction.
2. Learn appropriate methods for calculating quantity of material required in residential construction.
3. Understand responsibilities of contractors and laborers in the construction phase of a structure.
4. Understand the basis of the costs of the various materials used in the construction industry.

A copy of this approved syllabus is on file in the dean's office.  
Updated 12/14/18