

Course Objectives/Course Outline
Spokane Community College

Course Title: Advanced Commercial Building Materials

Prefix and Course Number: ARCHT 263-Revised F2015

Course Learning Outcomes:

By the end of this course, a student should be able to:

- list those building materials associated with commercial construction
- describe specific commercial building practices

Course Outline:

- I. Steel Frame Construction
- II. Light Gauge Steel Frame Construction
- III. Concrete Construction
- IV. Sitecast Concrete
- V. Precast Concrete
- VI. Glass and Glazing
 - A. The Material Glass
 - B. Glass and Energy
 - C. Glass and the Building Codes
- VII. Cladding
 - A. Basic Concepts of Building Cladding
 - B. Watertightness in Cladding
 - C. Curtain Wall Design
 - D. Cladding and the Building Codes
- VIII. Interior Finishes
 - A. Sequence of Interior Finishing Operations
 - B. Selecting Interior Finish Systems
 - C. Trends
- IX. Interior Walls and Partitions
 - A. Types of Interior Walls
 - B. Framed Partition Systems
 - C. Masonry Partition Systems
 - D. Wall and Partition Facings
 - E. Interior Doors