

Prepared by the Department of Business

Department Approval Date: February 10, 2017

Date approved by Curriculum and Programs: March 29, 2017

Effective: Fall 2017

1. **Course Number:** CON101-002  
**Course Title:** Introduction to Construction Documents
2. **Description:** This course introduces fundamentals of reading and interpreting construction documents including plan views, elevations, sections, details, schedules and notes. The symbols and language of construction are studied through the review and study of glossaries, legends and specifications. Application of the arithmetic of construction documents is included.
3. **Student Learning Outcomes (instructional objectives: intellectual skills):**  
Upon successful completion of this course, students are able to do the following:
  - Recognize the many line styles and weights and become aware that while some may be considered standard, there are different usages among architects and engineers.
  - Interpret the vocabulary of construction as it relates to materials, methods, spaces, and specifications, along with recognizing different usage among architects and engineers, different trades, regulatory jurisdictions, geographical areas, etc.
  - Identify abbreviations in the same manner as the vocabulary.
  - Know the various forms of dimensions and practice changing from one form to another. This will include the concept of elevations as a method of showing the height of certain elements above a fixed reference, usually referred to as a benchmark.
  - Analyze and interpret the relationship between various plan views, sections, details and schedules as shown on the overall plans.
  - Evaluate the overall construction plans to determine if there are omissions, inconsistencies, and contradictions regarding building code, material use or information necessary to the construction of the project.
4. **Credits:** 3 credits
5. **Satisfies General Education Requirements:** No
6. **Prerequisite:** None
7. **Semester(s) Offered:** Spring
8. **Suggested General Guidelines for Evaluation:** The class consists of lectures and discussion of real construction documents on a project basis. This is not a drafting class although some time is spent preparing free hand sketches that might be used by a foreman to clarify a revision of the construction plans. Assignments are made each week and collected for grading.
9. **General Topical Outline (Optional):** This course is taught on a project basis following the plans provided.
  - Two Unit Apartment
  - Lake House
  - Hidden Valley
  - Midterm Exam
  - Additions and Alterations at the Jr/Sr High School
  - Title 5 and Site Utilities

Additional information to be studied:

- Glossaries and Legends
- Construction related arithmetic, geometry and conversion factors