

Course Outline of Record

1. Course Code: CM-001
2. a. Long Course Title: Introduction To Construction Management
 b. Short Course Title: INTRO/CONSTRUCT MGMT
3. a. Catalog Course Description:
 This course provides an overview of the construction industry and its markets. The impact, practices, methods and ethics in the construction industry are reviewed.
 b. Class Schedule Course Description:
 This course provides an overview of the construction industry and its markets. The impact, practices, methods and ethics in the construction industry are reviewed.
 c. Semester Cycle (if applicable): Spring Semester
 d. Name of Approved Program(s):
 - CONSTRUCTION MANAGEMENT AS Degree and Transfer Preparation
 - CONSTRUCTION MANAGEMENT AS Degree for Employment Preparation
 - CONSTRUCTION MANAGEMENT Certificate of Achievement
4. Total Units: 2.00 Total Semester Hrs: 36.00
 Lecture Units: 2 Semester Lecture Hrs: 36.00
 Lab Units: 0 Semester Lab Hrs: 0
 Class Size Maximum: 28 Allow Audit: No
 Repeatability No Repeats Allowed
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm I-A)
 Advisory: RDG 061 and
 Advisory: MATH 060
6. Textbooks, Required Reading or Software: (List in APA or MLA format.)
 a. Levy, Sidney M. (2011). Project Management in Construction (6th/e). New York McGraw-Hill Education. ISBN: 9780071753104
 College Level: Yes
 Flesch-Kincaid reading level: 12.1
7. Entrance Skills: *Before entering the course students must be able:*
Advisory Skills:
a. Compute using the four basic operations of addition, subtraction, multiplication, and division on the Whole Numbers, Integers, and Rational Numbers.
 - MATH 060 - Compute using the four basic operations of addition, subtraction, multiplication, and division on the rational numbers in both fraction and decimal form.b. Know the use of rounding and estimation and use these skills to solve problems.
 - MATH 060 - Use rounding and estimation to solve problems involving rational numbers.
 - MATH 060 - Use the concept of ratio to determine the solution to a proportion problem.c. Comprehend percents and convert between percents, decimals, and fractions.
 - MATH 060 - Apply methods of conversion between percents, decimals, and fractions.d. Use basic concepts and formulas from geometry, including perimeter, area, and volume.
 - MATH 060 - Use concepts and formulas from geometry.e.
 Use various reading strategies to prepare, read and comprehend expository text.

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- RDG 061 - Use SQ3R &/or SOAR along with outlining, note-taking, mapping summarizing and other strategies to prepare, read, & comprehend expository text.

f.

Read a variety of texts fluently.

- RDG 061 - Read a variety of texts fluently.

g.

Write organized summaries & reactions that capture main idea and supporting details.

- RDG 061 - Write organized summaries & reactions that capture main idea and supporting details.

h.

Understand multiple word meanings, uses & synonyms.

- RDG 061 - Understand multiple word meanings, uses & synonyms

8. Course Content and Scope:

Lecture:

- a. Construction Math
- b. Bid Format and Spreadsheet
- c. Bid and Costing Terms
- d. Sitework Excavation
- e. Concrete Foundation, Flatwork and Backfill
- f. Concrete Formwork
- g. Masonry
- h. Metals (structural steel)
- i. Rough Lumber
- j. Roof Framing
- k. Siding, Stucco and Wall Flashing
- l. Insulation, Gypsum Wallboard & Paint
- m. Finish Carpentry

Lab: *(if the "Lab Hours" is greater than zero this is required)*

9. Course Student Learning Outcomes:

1. Identify construction as a business and develop methods of project cost estimating and scheduling.
2. Establish a vocabulary associated with construction management and industry.

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Gain an understanding of construction as a business and be able to cite historical examples of successful projects, and failures.
- b. Develop a working knowledge of construction project management and be able to write example of key elements.
- c. Learn the language (vocabulary) of construction management and use such language both orally and in writing to explain concepts.
- d. Learn specific methods of project estimating
- e. Learn specific methods of project scheduling

11. Methods of Instruction: *(Integration: Elements should validate parallel course outline elements)*

a. Lecture

Other Methods:

Guest Speakers Field Trips Power Point Presentations Handouts

12. Assignments: *(List samples of specific activities/assignments students are expected to complete both in and outside of class.)*

In Class Hours: 36.00

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Outside Class Hours: 72.00

a. In-class Assignments

a. Keeping notes from lecture b. Compiling Notes during Field Trips c. Written Assignments from Binder

b. Out-of-class Assignments

a. Reading Assignments b. Compiling Notes during Field Trips c. Written Assignments from Binder

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Computational/problem solving evaluations
- Mid-term and final evaluations
- Student participation/contribution

14. Methods of Evaluating: Additional Assessment Information:

Quizzes Essays Assignments In-Class Participation

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO - Career and Technical Education

Fulfill the requirements for an entry- level position in their field.

Apply critical thinking skills to execute daily duties in their area of employment.

Apply critical thinking skills to research, evaluate, analyze, and synthesize information.

Exhibit effective written, oral communication and interpersonal skills.

Transfer to a higher level learning institution

IO - Critical Thinking and Communication

Apply principles of logic to problem solve and reason with a fair and open mind.

Summarize, analyze, and interpret oral and written texts, with the ability to identify assumptions and differentiate fact from opinion.

Utilizing various communication modalities, display creative expression, original thinking, and symbolic discourse.

16. Comparable Transfer Course

University System

Campus

Course Number

Course Title

Catalog Year

17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item

Cost Per Unit

Total Cost

19. Provide Reasons for the Substantial Modifications or New Course:

Change the advisory and entrance skills to Reading 061 and periodic review.

20. a. Cross-Listed Course (*Enter Course Code*): *N/A*

b. Replacement Course (*Enter original Course Code*): *N/A*

21. Grading Method (*choose one*): Letter Grade Only

22. MIS Course Data Elements

a. Course Control Number [CB00]: CCC000140168

b. T.O.P. Code [CB03]: 95700.00 - Civil and Construction Ma

c. Credit Status [CB04]: D - Credit - Degree Applicable

d. Course Transfer Status [CB05]: B = Transfer CSU

e. Basic Skills Status [CB08]: 2N = Not basic skills course

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- f. Vocational Status [CB09]: Possibly Occupational
- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: N/A
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (if program-applicable): CONSTRUCTION MANAGEMENT, CONSTRUCTION MANAGEMENT, CONSTRUCTION MANAGEMENT

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 28

Third Year: 28

24. Resources - Faculty - Discipline and Other Qualifications:

- a. Sufficient Faculty Resources: Yes
- b. If No, list number of FTE needed to offer this course: N/A

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Donbert M. Bitanga Origination Date 11/06/17