



Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Course Title – Basic Construction Management

Course Prefix and Number – CNBT 1309

Department - Engineering Design

Division - Technology and Business

Course Type: (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core) Unique Need
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours #: Lecture Hours #: Lab/Other Hours # **3:3:0**

Equated Pay hours for course - 3

Course Catalog Description - Provides an integrated look at the practice of construction management on the job site.

This includes an overview of the construction industry, job market, roles and responsibilities, and common project management tools.

Prerequisites/Co-requisites – Must be TSI satisfied.

List Lab/ Other Hours
Lab Hours
Clinical Hours
Practicum Hours
Other (list)

Prepared by: Division of Technology and Business

Date: 06-11-15

Reviewed by Department Head: Jo Ann Shimek

Date: 06-11-15

Accuracy Verified by Division Chair: David Kucera

Date: 07/15/15

Approved by Dean or Vice President of Instruction: Leigh Ann Collins

Date: 3-3-16

I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

- Introduction - Size and Sectors of the USA Construction Market
- Construction Terminology
- Principals of Management
- Skills for human resource management
- Business Law - Formation of construction business
- Design Process
- Estimating – Cost, layout, materials delivery and erection process
- Safety and loss control plan
- Construction Documents
- Scheduling
- Procurement
- Project Planning and Control Tools
- Ethics
- Computer applications for Construction Management

II. Course Learning Outcomes

Learning Outcomes	Methods of Assessment
<p>Upon successful completion of this course, students will:</p> <ol style="list-style-type: none"> 1. Describe the basic skills used in human resources management 2. Identify the tools and techniques used by the job site manager in planning and scheduling a construction project 3. Develop a site layout plan for equipment and materials delivery and erection process 4. Develop a safety and loss control plan for a typical construction project 5. Explain the use of construction documents on the construction project 6. Explain the purpose of weekly project meetings 7. Define terminology common to the construction management industry 8. Demonstrate a comprehension of general principles of management 9. Explain the role and responsibilities of all parties in the construction industry 10. Assess selected project planning and control tools 11. Demonstrate the use of selected computer applications in CM 12. Evaluate safety concerns and protocol 	<p>Learning outcomes 1 – 11 will be assessed by:</p> <p>Quizzes Classwork Final Exam</p>

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

Construction Project Administration, by Edward R. Fisk, Wiley Publication
Construction Project Management, by Gould and Joyce, Prentice Hall

IV. Suggested Course Maximum - 20

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

Projector, access to PowerPoint

VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course

Student's grade will be determined by:

Approximate grade summary

Quizzes - 80%
Final - 20%

A = 100 -90
B = 89-80
C = 79-70
D = 69-60
F = 59 or below

Students must earn a "C" or above in all degree specific classes in order to graduate

VII. Curriculum Checklist

- **Academic General Education Course** (from ACGM – but not in WCJC Core)
No additional documentation needed
- **Academic WCJC Core Course**
Attach the Core Curriculum Checklist, including the following:
 - Basic Intellectual Competencies
 - Perspectives
 - Exemplary Educational Objectives
- **WECM Courses**
If needed, revise the Program SCANS Matrix & Competencies Checklist.