# 8/11/2020

# brcc keystone logo

Baton Rouge Community College

*Academic Affairs Master Syllabus*

Date Approved: 1 September 2020

Term and Year of Implementation: Fall 2020

**Course Title:** Planning and Scheduling

**BRCC Course Rubric:** CMGT 2413

**Previous Course Rubric**: CMGT 241

**Lecture Hours per week-Lab Hours per week-Credit Hours**: 2-2-3

**Per semester: Lecture Hours-Lab Hours-Instructional Contact Hours**: 30-30-60

**Louisiana Common Course Number:**

**CIP Code:** 52.2001

**Course Description:** This course focuses on planning and scheduling techniques currently used in the construction industry, including practical exercises in the planning and sequencing of construction operations utilizing scheduling software.

**Prerequisites:**  CMGT 2103 (or CMGT 210) with a grade of “C” or better

**Co-requisites:** None

**Suggested Enrollment Cap:** 30

**Learning Outcomes.** *Upon successful completion of this course, the students will be able to:*

1. Develop a project for oral presentation.

2. Schedule construction project resources for effective cost control.

3. Use resource allocation and resource leveling techniques to determine and adjust activity durations.

4. Monitor progress using a construction project schedule.

5. Use scheduling software in planning and scheduling construction projects.

**Assessment Measures.** Assessment of all learning outcomes will be measured using the following methods:

1. Assignments, quizzes, exams, and a scheduling software project

2. A departmental designed exam will assess a portion of the learning outcomes

3. A final exam will be administered at the end of the semester

4. A departmentally designed set of questions, which will be the same for all classes and all instructors, will cover the learning outcomes, and will be graded with a common rubric.

**Information to be included on the Instructor’s Course Syllabi:**

* ***Disability Statement*:** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
* ***Grading:*** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor’s and/or the department’s policy for make-up work. For example in a speech course, “Speeches not given on due date will receive no grade higher than a sixty” or “Make-up work will not be accepted after the last day of class”.
* ***Attendance Policy*:** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
* ***General Policies*:** Instructors’ policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
* ***Cheating and Plagiarism*:** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
* ***Safety Concerns:*** In some courses, this may be a major issue. For example, “No student will be allowed in the lab without safety glasses”. General statements such as, “Items that may be harmful to one’s self or others should not be brought to class”.
* ***Library/ Learning Resources:*** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.

**Expanded Course Outline:**

I. Introduction to Planning and Scheduling

II. Developing a Network Model

III. Precedence Diagrams

IV. Determining Activity Durations

V. Time in Contract Provisions

VI. Resource Allocation and Resource Leveling

VII. Money and Network Schedules

VIII. Project Monitoring and Control

IX. Productivity; Disputes

X. Using Computers for Scheduling Construction Projects

XI. Introduction to Primavera P6

XII. Primavera Projects and Relationships

XIII. Primavera Appearance, Settings, Activity Types, and Constraints

XIV. Primavera Resource Loading

XV. Primavera Activity Data Selection

XVI. Primavera Monitoring the Plan; Reporting Progress