

BC 3630 Syllabus

Project Management I (BC 3630), Section, 3 Credits

Fall 2026

Instructor Information

Instructor: Candace H. Washington, PMP

Email: cwashington@gatech.edu

Office Hours: By appointment

General Course Information

Description

This course introduces students to the principles and practices of construction project management from both the project manager's and the contractor's perspectives. Emphasis is placed on the Project Management Institute (PMI) project lifecycle: Initiating, Planning, Executing, Monitoring & Controlling, and Closing, with a primary focus on the Initiating and Planning phases. Students will examine the duties, responsibilities, and tools required to develop a comprehensive project plan, including a project schedule (ACCE SLO 5). The course also highlights how early planning decisions influence execution, monitoring, and overall project success.

Course Learning Outcomes

- **Explain the Project Management Institute (PMI) project lifecycle**, including Initiating, Planning, Executing, Monitoring & Controlling, and Closing, with a primary emphasis on Initiating and Planning phases
- **Develop a project charter and identify key stakeholders** to support effective project initiation
- **Define project scope and create a Work Breakdown Structure (WBS)** as part of the planning process
- **Develop project schedules using precedence relationships and critical path methods** (ACCE SLO 5 – Scheduling)
- **Prepare cost estimates and establish a project cost baseline**
- **Identify and assess project risks** using qualitative and introductory quantitative methods
- **Explain how Executing, Monitoring & Controlling, and Closing phases integrate with project planning decisions**

- **Apply construction-specific project delivery methods and stakeholder roles** across the project lifecycle
- **Integrate scope, schedule, and cost into a cohesive project management plan**
- **Utilize industry tools (MS Project, Procore, Smartsheet)** to support project planning and documentation

Required Course Materials

- Laptop capable of running required software
- Microsoft Project, Smartsheet, Procore
- Canvas access
- Construction Jobsite Management, Mincks & Johnston (optional)

Grading Policy

Final grades will be based on an aggregate point total for exams, reports, quizzes, classroom attendance, and/or projects. Grades will NOT be curved. Course grading is as follows:

- Attendance & Participation – 20%
- Homework / Assignments / Quizzes – 30%
- Midterm Exam – 25%
- Projects (Term Project) – 25%
- Total – 100%

A > 90% and above; B > 80-89%; C > 70-79%; D > 60-69%; Failure <60%

Course Policies

Attendance and/or Participation

This class is designed to provide you with an active and collaborative learning experience where you can learn from the content, from me, and from your peers. Therefore, attendance is required for lectures, assignments, in-class projects, and activities. If you attend fewer than 75% of the scheduled class meetings, you will not receive credit for the course.

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act in accordance with the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, which will investigate the incident and determine the appropriate penalty.

Student Conduct

At Georgia Tech, we believe it is important to foster an atmosphere of mutual respect, acknowledgment, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) outline the basic expectations you can have of me and the expectations I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to Georgia Tech's ideals in this class.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your needs and obtain an accommodations letter. Please also email me as soon as possible to schedule a time to discuss your learning needs.

Exams

Midterm Exam:

The midterm exam will assess cumulative material covered through Week 6 and will consist of conceptual and applied problem-solving questions. The exam will be administered to allow students to utilize course materials and resources while demonstrating independent work.

Pre-Requisite

Pre-requisites for this class include BC2631, BC2632, and BC2634.