

### **Course Number and Title**

BC 4700/BC 6025 Construction Management  
School of Building Construction, College of Architecture  
Georgia Institute of Technology  
Jack Wexler, P.E. 678-510-9964, jack.wexler@fgould.com  
Summer Semester 2011/Tuesday/Thursday/4:05-5:40/ 3 credit hours

### **Course Objectives**

An accelerated-pace course designed to provide a basic understanding of fundamental topics including planning, budgeting, bidding, estimating, scheduling, and project close out.

The Goals & Objectives are as follows:

1. To achieve a basic understanding of construction management, reviewing the life cycle of a project, the needs, the design sequence, the start-up and management of construction.
2. To examine the management of resources (e.g., money, equipment, material, labor).
3. To discuss the planning, scheduling, productivity and cost management of construction processes.
4. To develop a basic understanding of design and construction terms and definitions.

### **Relationship of Course to your own Research and Practice/Creative work**

To be an effective participant in any aspect of the industry it is imperative to understand the functions and motivations of the multiple other players in applying their specialized talents to the building process.

Having had front line experience in major construction projects of a commercial and residential nature including programming, design management and construction administration as a general contractor and an owner's representative, I hope to bring a practical view of the industry to the class.

### **Course Procedure and Organization**

Class meetings will consist of lectures, discussions of real time experiences of the instructor and the students along with occasional field visits to ongoing construction projects on campus.

### **Required/Suggested Readings**

(Required) Construction Management Fundamentals, 2nd edition, Knutson, K., Schexnayder, C.J., Fiori, C.M., and Mayo, R.E., McGraw Hill Higher Education, 2009, ISBN 978-0-07-340104-1. Available in online edition at <http://www.CourseSmart.com>.

(Suggested) Project Management for Construction, 2<sup>nd</sup> edition, Hendrickson, C., version 2.2 available online, Department of Civil and Environmental Engineering, Carnegie Mellon University, 2008, <http://pmbook.ce.cmu.edu/>

### **Course Requirements**

Three multiple essay exams with extra discussion questions, a paper and/or oral presentations for graduate students. Class discussion participation is encouraged and graded.