

Everglades University

Master's Degree in Construction Management

**CIP Code: 52.2001**

- BCN 6618C      **ADVANCED CONSTRUCTION ESTIMATING**      3 credits  
This course studies the principles and practices of estimating in the construction industry. Topics include conceptual and definitive estimating, cost development, cost analysis methods, project delivery implications, international work implications, and computer applications and modeling.
- BCN 6728C      **CONSTRUCTION SCHEDULING AND PLANNING STRATEGY**      3 credits  
This course studies the management of construction scheduling and monitoring, strategic planning, forecasting and trend analysis, project control, and the analysis of single and multiple projects.
- BCN 6746C      **LEGAL ASPECTS IN CONSTRUCTION**      3 credits  
This course studies the legal and business aspects of contracts and specifications in the construction industry. Topics include the formation of contracts and various contractual relationships, methods of modification and termination of contracts, the study of precedents and application of contract clauses, and the exploration of licensure and professional liability of the construction practitioner.
- BCN 6772C      **STRATEGIC MANAGEMENT OF CONSTRUCTION ORGANIZATIONS**      3 credits  
This course studies the strategic management and operations of a construction company. Topics include incorporation structures, policies and procedures, accounting and finance, employee development, information modeling, scheduling, estimating, safety, legal aspects, and project management.
- BCN 660      **Construction Cost Analysis & Financial Control**      3 credits  
This course will study cost engineering and cost distribution, as well as comparative analysis of actual and estimated costs as used for project control. This course focuses on financial accounting and cost control at the company level using accounting systems, construction project profit calculations, and financial analysis.
- BCN 661      **Construction Productivity**      3 credits  
An in-depth study of common issues relating to productivity improvements in construction. Productivity concepts. Data collection. Analysis of productivity data and factors affecting productivity. Means for improving production and study of productivity improvement programs.
- BCN 662      **Construction Claims**      3 credits  
Construction claims, administration, and avoidance. Covers the importance of construction contract errors, unforeseen and changed conditions, disruptions, acceleration, termination, and proving of claims.
- BCN 663      **Decision & Risk Analysis in Construction**      3 credits

Techniques of decision analysis for the medium to top level management personnel in the construction industry. Typical construction related problems that involve risk and uncertainty are studied.

**BCN 664**      **Developments in Construction Technologies**      **3 credits**  
Study of advanced field techniques and emerging uses worldwide. Information flow and creativity are highlighted as crucial elements which stimulate new developments. This course prepares the students to understand and deal with concepts of change.

**BCN 665**      **Alternative Project Delivery Methods**      **3 credits**  
Design/construction interaction; conceptual estimation and scheduling; the RFQ/RFP process; legal, insurance, risk allocation issues; procurement and selection.

**BCN 667**      **Entrepreneurship/Small Business Management/Leadership**      **3 credits**  
This course studies entrepreneurship strategies related to the management of small construction companies. Topics included are: company organization, incorporation structures, policies and procedures, finance, accounting, information modeling, bidding strategies, and operation.

**BCN 669**      **GRADUATE CONSTRUCTION MANAGEMENT CAPSTONE COURSE**      **3 credits**  
In this final course, students will demonstrate knowledge, skills, and competencies that have been acquired and learned throughout the MCM program and apply these concepts and methodologies to a variety of real world situations.