

### **CM 4510: Construction Scheduling**

#### **3 Credit Hours**

*Prerequisite: CM 3110, and CM 3410*

A study of the management techniques used in controlling the progress of construction projects, including development of a commercial project schedule, as well as simulation of updating and monitoring progress using critical path methodology. Commonly used commercial software packages are introduced.

### **CM 4511: Construction Scheduling Software**

#### **2 Credit Hours**

*Prerequisite: CM 4510 or approval of the Department Head*

Hands-on computer application of commonly used commercial construction scheduling software to construction projects. Instruction in use of the software.

### **CM 4512: Emerging Trends in Residential Construction**

#### **3 Credit Hours**

*Prerequisite: CM 3110*

This course emphasizes emerging trends in the residential building industry. Students will explore labor issues, residential construction concerns, and innovative strategies that are present in today's residential homebuilding.

### **CM 4560: Construction Project Management**

#### **3 Credit Hours**

*Prerequisite: CM 4510, CM 3410*

A study of traditional, design-build and construction management delivery methods, the management of field operations and administration of the construction contracts. Contract documents, project organization, supervision, working with owners and design professionals, procurement, management of subcontractors.

### **CM 4570: Development Process I**

#### **4 Credit Hours**

*Prerequisite: CM 3310*

A study of development as a process with special emphasis on teams built around the developer. The various issues that must be considered by the development team will be discussed. These include conformity of the development process to sound business principles, adherence of development activities to relevant zoning and permitting requirements, and the potential environmental impact of the considered development.