Course Description: Integration of construction materials and methods into construction systems that will be incorporated in projects.
Prerequisites: CON 131 and CON 151.
Registration Information: Must register for lecture and laboratory.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 265 Construction Estimating I Credits: 3 (2-2-0)
Course Description: Integration of construction materials and methods into construction systems that will be incorporated in projects.
Prerequisites: CON 131 and CON 151.
Registration Information: Must register for lecture and laboratory.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 266 Construction Surveying Credits: 3 (2-3-0)
Course Description: Surveying fundamentals to field of construction, building layout, measurement procedures, vertical controls, line and grade, surveying instrument operation.
Prerequisites: (CON 131 or INTD 166) and (MATH 125 or MATH 160).
Registration Information: Must register for lecture and laboratory.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

CON 267 Construction Management Pre-Internship Credit: 1 (0-0-1)
Course Description: Skills and concepts related to successful internships within the construction management industry.
Prerequisite: None.
Registration Information: Construction management majors only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

CON 270 Introduction to Road Construction Credits: 3 (3-0-0)
Course Description: Steps necessary to construct a paved roadway from conception, land acquisition and finance through paving operations and trafficking.
Prerequisite: None.
Registration Information: Construction management majors only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 271 Advanced Road Construction Credits: 2 (1-1-0)
Course Description: Emphasis on operations and trafficking.
Prerequisite: None.
Registration Information: Construction management majors only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 281 Advanced Construction Safety Credits: 2 (1-2-0)
Course Description: Topics include job site safety, personal protective equipment, safety management and implementation, OSHA regulations, and risk management.
Prerequisite: None.
Registration Information: Construction management majors only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 290 Internship Credits: 1-3 (1-0-1)
Course Description: Internships within the construction management industry.
Prerequisite: None.
Registration Information: Construction management majors only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.
CON 365 Construction Estimating II Credits: 3 (2-2-0)
Course Description: Industry-recognized methods for work item analysis, quantity surveying, resource estimating, and bid development using work breakdown structures.
Prerequisite: CON 265.
Registration Information: Must register for lecture and laboratory.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 366 Construction Equipment and Methods Credits: 3 (2-2-0)
Course Description: Equipment/methods in heavy and highway construction; equipment selection, productivity, and costs. Infrastructure, tunneling, and trenchless technology.
Prerequisite: CON 261.
Registration Information: Must register for lecture and laboratory. Sections may be offered: Online.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 367 Construction Contracts/Project Administration Credits: 3 (3-0-0)
Course Description: Utilization of field engineering systems and procedures to effectively meet project objectives.
Prerequisites: CON 265 and CON 351, may be taken concurrently.
Registration Information: Construction management majors and minors only.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 370 Asphalt Pavement Materials and Construction Credits: 3 (2-2-0)
Course Description: Constituents of asphalt pavements; manufacture of asphalt cement, emulsions, and cutbacks; material properties and behavior.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 371 Mechanical and Plumbing Systems Credits: 3 (3-0-0)
Course Description: Heating, ventilation, air conditioning, plumbing, and fire suppression with emphasis on design, operation, and interaction.
Prerequisite: CON 360, may be taken concurrently or INTD 276, may be taken concurrently.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 384 Supervised College Teaching Credits: Var[1-5]
Course Description: 
Prerequisite: None.
Registration Information: A maximum of 10 combined credits for all 384 and 484 courses are counted towards graduation requirements.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.
CON 465 Construction Management Professional Practice Credits: 3 (1-0-2)
Course Description: Professional practice using an understanding of the contractual and working relationships among all participants in the design/construction process.
Prerequisites: (CON 461, may be taken concurrently) and (CON 487A or CON 487E or CON 487B).
Registration Information: Construction management majors only. Must register for lecture and recitation.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 469 Soils Engineering for Construction Managers Credits: 3 (2-0-1)
Course Description: Soil mechanics, foundation engineering, and foundation construction.
Prerequisite: CON 359.
Registration Information: Must register for lecture and recitation.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 471 Project Management for Mechanical Systems Credits: 3 (3-0-0)
Course Description: Fundamental principles of mechanical systems. Presentation and practice of management principles relevant to mechanical projects.
Prerequisites: CON 371 and CON 365, may be taken concurrently.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 476 Sustainable Practice-Design and Construction Credits: 3 (3-0-0)
Course Description: Major components of sustainable design/construction: energy, healthy buildings, cultural, natural resources, use, other environment/economic issues.
Prerequisite: None.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 477 Residential Aging-in-Place and Green Building Credits: 3 (3-0-0)
Course Description: Aging-in-place and green building aspects of the residential construction market.
Prerequisite: CON 265.
Restrictions: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 487A Internship: Construction Management I Credits: 6 (0-0-18)
Course Description:
Prerequisites: CON 267 and CON 367.
Registration Information: OSHA 10-hour construction safety card.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 487B Internship: Construction Management II Credits: 3 (0-0-9)
Course Description:
Prerequisites: CON 267 and CON 367.
Registration Information: OSHA 10-hour construction safety card; 500 hours documented work experience.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

CON 495 Independent Study-Construction Management Credits: Var[1-18]
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 496 Group Study-Construction Management Credits: Var[1-9]
Course Description:
Prerequisite: None.
Registration Information: Maximum of 9 credits allowed in course.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 500 Models of Disciplined Inquiry Credits: 3 (3-0-0)
Course Description: Models and methods of disciplined inquiry used in diverse organizations; applying disciplined inquiry methods to solve problems.
Prerequisite: None.
Registration Information: Admission to the construction management master's program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 560 Applied Project Management Credits: 3 (3-0-0)
Course Description: Project development, planning, and control relevant to construction, manufacturing, and technology education professionals.
Prerequisite: None.
Registration Information: Admission to the construction management master's program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 561 Applied Productivity Improvement Credits: 3 (3-0-0)
Course Description: Existing and emerging tools for productivity enhancement in project and production environment.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.
CON 562 Issues and Trends in Construction Management Credits: 3 (3-0-0)
Course Description: Current issues and trends related to management of technology in fields associated with manufacturing and construction industries.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 565 Legal Aspects of Construction Process Credits: 3 (3-0-0)
Course Description: Common points of dispute; methods of avoiding disputes among owner, architect, engineer, and contractor.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 566 Advanced Construction Estimating Credits: 3 (3-0-0)
Course Description: Advanced estimating procedures dealing with special application and techniques in construction.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 567 Preservation and Rehabilitation of Buildings Credits: 3 (3-0-0)
Course Description: Theory and applications of preservation technology used in the management and rehabilitation of historic and archaic buildings.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 568 Construction Industry Institute Practices Credits: 3 (3-0-0)
Course Description: Senior executives from the Construction Industry Institute (CII) present best practices developed by CII over the last 25 years.
Prerequisite: CON 367.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 569 Regulatory Impact on Construction Credits: 3 (3-0-0)
Course Description: Role government plays in the design and construction of the built environment.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 571 Facility Planning and Management Credits: 3 (3-0-0)
Course Description: Planning, organizing and managing large educational and/or commercial facilities.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 575 Managerial Decision Making for Constructors Credits: 3 (3-0-0)
Course Description: Construction and real estate development applications of multi-disciplinary managerial analysis and decision-making techniques.
Prerequisite: None.
Registration Information: Admission to the construction management master’s program.
Term Offered: Fall.
Grade Mode: Traditional.
Special Course Fee: No.

CON 576 Sustainable Technology in Built Environments Credits: 3 (2-0-1)
Course Description: Major components of creating environmentally sustainable built environments.
Prerequisite: CON 476 or CON 450 or INTD 450.
Registration Information: Must register for lecture and recitation.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 577 Leadership of Sustainable Community Projects Credits: 3 (2-0-1)
Course Description: Learn and apply principles of sustainable construction management through leading and building service-learning projects.
Prerequisite: CON 476 or CON 450 or INTD 450.
Registration Information: Required background check.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

CON 590 Workshop Credits: Var[1-18]
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 592 Seminar Credits: Var[1-18]
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 684 Supervised College Teaching Credits: Var[1-18]
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.
CON 687 Internship Credits: Var[1-6]
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Maximum of 6 credits allowed in course.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 695 Independent Study Credits: Var[1-18]
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 696 Group Study Credits: Var[1-18]
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 698 Research Credits: Var[1-18]
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

CON 699 Thesis Credits: Var[1-6]
Course Description:
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.