340. Residential Design Evaluation
Fall, Spring, Summer. 3 credits.
P: BCM 129 or HED 160. R: Not open to freshmen.
Qualitative methods for evaluating residential building
design. Design impacts on building occupants:
children, families, singles, handicapped, elderly.

349. Construction Renovation
Spring, 3 credits.
P: BCM 227. R: Open only to Building Construction
Management or Human Environment and Design
majors. Approval of department; application
required. Special topics such as computer methods in
building construction management, construction technology, solar
energy, special land use codes or new technology
management.

401. Special Topics in Building
Construction Management
Fall, Spring. 1 to 4 credits. A student may earn
a maximum of 8 credits in all enrollments for this
course.
P: BCM 227 or BCM 311. R: Open only to Building
Construction Management majors. Approval of depart­
ment.

811. Advanced Project Scheduling
Fall of odd-numbered years. 3 credits.
Critical path analysis for effective and logical scheduling
of construction projects. Identification of project
activities and their relationships. Schedule develop­
ment, analysis, and updating. Relationship of project
costs and resources to the schedule. Effective commu­
nication of schedule information.

823. Advanced Construction Project
Management
Spring of even-numbered years. 3 credits.
P: BCM 422, BCM 423; or CE 375, CE 471. R: Open
only to graduate students in Building Construction
Management or Civil Engineering.

880. Special Problems
Fall, Spring, Summer. 1 to 4 credits. A student
may earn a maximum of 4 credits in all enrollments for
this course.
P: Open only to graduate students in College of
Agriculture and Natural Resources. Approval of depart­
ment; application required.

901. Advanced Topics in Building
Construction Management
Fall, Spring, Summer. 1 to 4 credits. A student
may earn a maximum of 8 credits in all enrollments for this
course.
P: Open only to graduate students in College of
Agriculture and Natural Resources. Approval of depart­
ment.

911. Master's Thesis Research
Fall, Spring, Summer. 1 to 10 credits. A student
may earn a maximum of 99 credits in all enrollments for this
course.
P: Open only to graduate students in Building Con­
struction Management.

CHEMICAL ENGINEERING CHE

Department of Chemical Engineering
College of Engineering

201. Material and Energy Balances
Fall, Spring. 3(4-0)
P: MTH 133, CHEM 142 or CRM 152, CPS 131 or CPS
150 or concurrently. R: Open only to students in the
College of Engineering.

231. Fluid Flow and Heat Transfer
Spring. 4(5-0)
P: CHE 201 or concurrently, MTH 235 or concurrently.
R: Open only to College of Engineering students.

516. Unit Operations Laboratory
Spring. 3(3-4)
P: CHE 311 or concurrently; CHE 312; CHE 391 or
concurrently. R: Open only to Chemical Engineering
and Food Engineering majors. Completion of Tier I
writing requirement.

531. Thermodynamics for Chemical
Engineering
Spring. 4(5-0)
P: CHE 201. R: Open only to College of Engineering
students.

537. Chemical Engineering Materials
Fall. 3(3-0)
P: CEM 362; CEM 361 or concurrently. R: Open only to
Chemical Engineering majors.

542. Transport Phenomena
Spring. 3(3-0)
P: CHE 311, CHE 312, or FE 485. R: Open only to
Chemical Engineering and Food Engineering majors.
Mathematical and physical analogies among mass,
energy, and momentum transfer processes. Dimensional
analysis and solutions to multivariable 
boundary value problems. Numerical solutions to nonlinear
problems.