Descriptions—Building Construction Management

of Courses

435. Residential Building Projects (W)
Spring. 3(1-4) P: (ACC 230 and BCM 423 and BCM 329 and BCM 403) and completion of Tier I writing requirement. R: Open only to seniors in the Building Construction Management major. Development of a residential project and business plan.

436. Commercial Building Projects (W)
Spring. 3(1-4) P: (ACC 230 and BCM 423 and BCM 329 and BCM 403) and completion of Tier I writing requirement. R: Open only to seniors in the Building Construction Management major. Evaluation, procurement and management of commercial building projects.

453. Land Development
Spring. 3(0-0) P: BCM 227 and BCM 325. R: Open only to Building Construction Management, Civil Engineering, History of Art, Landscape Architecture, and Urban Planning majors. Methods and practices of land development for residential and commercial uses. Market research. Land use regulations. Legal documentation. Site analysis and design. Case studies. SA: BCM 352
Approved through Spring semester 2001

490. Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to Building Construction Management majors. Approval of department; application required. Special problems in acquisition and development of residential land, design, construction technology, building materials, finance, marketing, construction management, or land use codes and regulations.

491. 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 department. Topics such as computer methods in building construction management, construction technology, solar energy, special land use codes or new technology management.

800. Cell and Molecular Biology Seminar
Fall, Spring. 1(1-0) A student may earn a maximum of 5 credits in all enrollments for this course. R: Open only to students in the Cell and Molecular Biology major. Current literature in such areas of cell and molecular biology as gene expression, intracellular transport, cell signalling, regulation of cell growth and cell structure.

880. Laboratory Rotation
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to students in the Cell and Molecular Biology major. Participation in research projects in laboratories of Cell and Molecular Biology faculty.

890. Special Problems
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to graduate students in College of Agriculture and Natural Resources. Approval of department; application required. Individual study in land acquisition and development, design, construction, management, finance, marketing, and structural analysis.

891. 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. R: Open only to graduate students in College of Agriculture and Natural Resources. Approval of department. Advanced topics in building construction management.

892. Construction Management Research Seminar
Fall, 2(2-0) R: Open only to graduate students in the College of Agriculture and Natural Resources or College of Engineering, or College of Human Ecology. Current areas and topics of research in construction management. Resources of research results, analysis of existing research and development of preliminary proposal.

898. Master’s Research
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to master’s students in the Building Construction Management major. Masters degree Plan B research paper.

899. Master’s Thesis Research
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 90 credits in all enrollments for this course. R: Open only to graduate students in Building Construction Management.

CHEMICAL ENGINEERING CHE
Department of Chemical Engineering
College of Engineering

201. Material and Energy Balances
Fall, Spring. 3(4-0) P: (MTH 132) and (CEM 142 or CEM 143 or CEM 152) and (CHE 101 or concurrently or CSE 131 or concurrently) Chemical engineering calculations. Synthesis of chemical process systems. Analysis of chemical processes using material and energy balances. Enthalpy calculations for changes in temperature, phase transitions, and chemical reactions.

301. Chemical Engineering as a Profession
Fall. 1(2-0) P: (CHE 201 or concurrently) RB: Junior standing in chemical engineering R: Open only to students in the Chemical Engineering major. Professional aspects of chemical engineering. Communication skills, professionalism and ethics, teamwork skills, contemporary engineering issues, career planning, project management, industrial processes.

311. Fluid Flow and Heat Transfer
Fall. 4(5-0) P: (CHE 201 or concurrently and MTH 235 or concurrently) R: Open only to students in the College of Engineering. Not open to students with credit in ME 201 or MSM 351. Thermodynamics of fluid flow. Laminar and turbulent flow. Design of flow systems. Heat transfer in solids and flowing fluids. Interphase heat transfer. Radiant heat transfer. Multiple effect evaporation. Design of heat exchange equipment.

312. Mass Transfer and Separations