BAE 3033 Advanced Biology and Material Science of Biomaterials
Prerequisites: BIOL 1114 or (BIOL 1113 and BIOL 1111) or PBIO 1404, PHYS 2014, MATH 2144.
Description: Building on basic biology and engineering fundamentals to characterize properties of biological materials such as moisture content and water movement, rheology, electromagnetic response, thermal properties, conveyance requirements, psychometric interactions and heating/cooling response. Course previously offered as BAE 2022 and BAE 2023.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 3113 Biological Applications in Engineering
Prerequisites: BAE 2012, BIOL 1114 or (BIOL 1113 and BIOL 1111), ENSC 2213, 3233, MATH 2233 or concurrent enrollment.
Description: Introduction to engineering applications of biological processes. Technologies covered include fermentation systems, enzyme kinetics, wastewater treatment and bioremediation.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 3213 Energy and Power in Biosystems Engineering
Prerequisites: Completion or concurrent enrollment in ENSC 2213, ENSC 3233.
Description: Analysis and design of energy generation, transmission, and utilization in the production and processing of biological materials.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 3223 Principles of Agriculture and Off-Road Machinery
Prerequisites: Completion or concurrent enrollment in ENSC 3233, ENSC 2613 and SOIL 2124.
Description: Principles of design, function, operation, testing and application of agricultural and off-road equipment and systems. Vehicle and implement system dynamics and hitching, and plant and soil interaction with machines. Machinery evaluation and standardized test procedures emphasizing safe and efficient performance of modern farm and off-road equipment.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng
BAE 3313 Natural Resources Engineering
Prerequisites: BAE 2023, STAT 2013, and ENSC 3233 or concurrent enrollment.
Description: Principles and practices of engineering analysis and design applied to hydrology, water quality, erosion and sedimentation, air quality, irrigation and animal waste management. Course previously offered as BAE 3323.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 3 Contact: 5
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4001 Professional Practice in Biosystems Engineering
Prerequisites: Concurrent enrollment in BAE 4012.
Description: Preparation for professional practice through case studies about ethics, legal liability, safety, and societal issues. Practical professional communications experience.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Undergraduate
Schedule types: Discussion
Department/School: Biosystems & Ag Eng

BAE 4010 Special Topics in Biosystems Engineering
Description: New and emerging areas of study in Biosystems Engineering. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.
Credit hours: 1-4
Contact hours: Lecture: 1-4 Contact: 1-4
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 4012 Senior Engineering Design Project I
Prerequisites: Completion or concurrent enrollment in ENSC 2143, BAE 3013, BAE 3023, BAE 3213, BAE 4001.
Description: Team work on professional level design projects, using design procedures to develop specifications, propose alternative solutions, consider external constraints, develop drawings or plans, construct, test and evaluate designs.
Credit hours: 2
Contact hours: Lecture: 1 Lab: 2 Contact: 3
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4023 Senior Engineering Design Project II
Prerequisites: BAE 4001, BAE 4012. BAE 4023 must be taken the immediate semester after completion of BAE 4012.
Description: Second of two-semester sequence of senior design courses. Course previously offered as BAE 4022.
Credit hours: 3
Contact hours: Lecture: 1 Lab: 4 Contact: 5
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4043 In-Vehicle Networking for Off-Road and Heavy Duty Systems
Prerequisites: BAE 3023.
Description: Analysis of in-vehicle network systems and associated design issues. Introduction to CAN-based networking, serial and parallel communications, sensor interfacing, computer control of external devices, and comprehensive coverage of ISO 11783 and BAE J1939.
Credit hours: 3
Contact hours: Lecture: 1 Lab: 4 Contact: 5
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4213 Precision Agriculture
Prerequisites: MATH 1513, senior standing.
Description: Introduction to the concepts of precision agriculture including analysis of spatial variability, relationships of fertility and crop response, geographical information systems, variable rate technology, optical sensing, global positioning systems, and yield monitoring. Case studies included for detailed analyses. Same course as SOIL 4213. May not be used for Degree Credit with BAE 5223.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 4224 Machinery for Production and Processing
Prerequisites: ENSC 2143.
Description: Analysis and design of machine components and machine systems for production and processing of biological materials. Component failure theory and analysis. Assembly and design of mechanical elements. Course previously offered as BAE 4223. May not be used for Degree Credit with BAE 5224.
Credit hours: 4
Contact hours: Lecture: 4 Contact: 4
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 4283 Bioprocess Engineering
Prerequisites: BAE 3013, BAE 3113 or consent of instructor, ENSC 3233.
Description: Application of fundamental engineering principles to biochemical and biological processes. Introduction to cellular processes, fermentation technology, biological mass transfer and kinetics, bioreactor design and scale-up and downstream processing. Same course as CHE 4283. May not be used for Degree Credit with BAE 5283.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng
BAE 4314 Design Hydrology
Prerequisites: BAE 3033, ENSC 3233, and STAT 4033 or STAT 4073, or concurrent.
Description: Basic principles of surface and groundwater hydrology and their application in engineering problems. The hydrologic cycle, weather and hydrology, precipitation, evaporation, transpiration, subsurface waters, stream flow hydrographs, hydrologic and hydraulic stream routing, probability of hydrologic events and application of hydrologic models. Laboratory component will emphasize the application of hydrologic and hydraulic models and the quantification of hydrologic and hydraulic parameters. Course previously offered as BAE 4313. May not be used for degree credit with BAE 5314.
Credit hours: 4
Contact hours: Lecture: 3 Lab: 2 Contact: 5
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4323 GIS for Water Resources
Prerequisites: ENSC 2113 or GEOG 4203 or LA 4453 or NREM 2083.
Description: Various aspects of GIS applications in water resources, including spatial coordinate systems, acquisitioning water resources GIS data, water resources data management and processing, physiographic terrain analysis and mapping, river and watershed networks, National Hydrography Dataset (NHD), and Arc Hydro. May not be used for degree credit with BAE 5323.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2 Contact: 4
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4324 Water Quality Engineering
Prerequisites: MATH 2233; BAE 2013; CHEM 1414 or CHEM 1515; or consent of instructor.
Description: Assessment of water quality, water and wastewater treatment, as well as point and nonpoint source pollution processes. Additional topics include principles of environmental chemistry, water body assessment, and integrated watershed management. May not be used for Degree Credit with BAE 5374.
Credit hours: 4
Contact hours: Lecture: 3 Lab: 3 Contact: 6
Levels: Undergraduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 4343 Environmental Contaminant Fate and Transport
Prerequisites: BAE 4324 or consent of instructor.
Description: Physical, chemical, and biological processes that govern the environmental fate and transport of contaminants in natural systems including soil, water, and air. Topics include conceptual and mathematical models describing transport processes, mass balance, chemical equilibria and kinetics, and modelling. May not be used for degree credit with BAE 5343.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 4400 Special Problems
Description: Investigations in specialized areas of biosystems engineering. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.
Credit hours: 1-4
Contact hours: Contact: 1-4 Other: 1-4
Levels: Undergraduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng

BAE 4413 Food Engineering
Prerequisites: BAE 3013 and ENSC 3233, ENSC 2213.
Description: Analysis and design of various unit operations in food processing including thermal processing, drying, evaporation, freezing, processing non-Newtonian fluids and quality changes during processing. Course previously offered as BAE 4423. May not be used for Degree Credit with BAE 5443.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Undergraduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5000 Master's Research and Thesis
Prerequisites: Consent of major professor.
Description: Research and thesis writing. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 1-6
Contact hours: Contact: 1-6 Other: 1-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng

BAE 5010 Advanced Topics in Biosystems Engineering
Prerequisites: Graduate standing or consent of instructor.
Description: New and emerging areas of study in Biosystems Engineering. Offered for variable credit, 1-4 credit hours, maximum of 8 credit hours.
Credit hours: 1-4
Contact hours: Lecture: 1-4 Contact: 1-4
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5030 Problems in Biosystems Engineering and Agricultural Technology
Prerequisites: Consent of instructor.
Description: Problems associated with biosystems engineering and agricultural technology. Offered for variable credit, 1-6 credit hours, maximum of 9 credit hours.
Credit hours: 1-6
Contact hours: Contact: 1-6 Other: 1-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng
BAE 5213 Renewable Energy Engineering
Prerequisites: ENSC 2213, ENSC 3233 or consent of instructor.
Description: Renewable technologies such as solar, wind, geothermal, hydroelectric, and biomass to generate energy for electricity, heating, transportation, and other uses.
Credit hours: 3
Contact hours: Lecture: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5223 Precision Agriculture
Prerequisites: MATH 1513.
Description: Introduction to the concepts of precision agriculture including analysis of spatial variability, relationships of fertility and crop response, geographical information systems, variable rate technology, optical sensing, global positioning systems, and yield monitoring. Case studies included for detailed analyses. May not be used for degree credit with BAE 4213.
Credit hours: 3
Contact hours: Lecture: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5224 Machinery for Production and Processing
Prerequisites: ENSC 2143.
Description: Analysis and design of machine components and machine systems for production and processing of biological materials. Component failure theory and analysis. Assembly and design of mechanical elements. May not be used for degree credit with BAE 4224.
Credit hours: 4
Contact hours: Lecture: 4
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5243 Biological Conversion for Advanced Biofuels
Prerequisites: ENSC 2213.
Description: Fundamental principles and applications of converting biomass to advanced biofuels. Focus will be on biological processes, fermentor design and operation, product recovery and emerging fuels.
Credit hours: 3
Contact hours: Lecture: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5283 Advanced Bioprocess Engineering
Prerequisites: Consent of instructor.
Description: Application of fundamental engineering principles to biochemical and biological processes. Introduction to cellular processes, fermentation technology, biological mass transfer and kinetics, bioreactor design and scale-up and downstream processing. Same course as CHE 5283.
Credit hours: 3
Contact hours: Lecture: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 5313 Watershed Modeling
Prerequisites: BAE 4313 or equivalent.
Description: A computer modeling course with an emphasis on chemical and physical processes governing nonpoint source pollution (nitrogen, phosphorus, sediment) at the basin scale. The laboratory use of state-of-the-art models applied to a variety of agricultural systems. "Hands on" use of comprehensive hydrologic water quality models that utilize spatial data in a geographic information system. Models and parameter uncertainty, digital data sources, parameter estimation and model testing, calibration and validation. For students with advanced personal computer skills.
Credit hours: 3
Contact hours: Lecture: 1 Lab: 6
Levels: Graduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 5314 Design Hydrology
Prerequisites: BAE 2023 and ENSC 3233, and STAT 4033 or STAT 4073, or concurrent.
Description: Basic principles of surface and groundwater hydrology and their application in engineering problems. The hydrologic cycle, weather and hydrology, precipitation, evaporation, transpiration, subsurface waters, stream flow hydrographs, hydrologic and hydraulic stream routing, probability of hydrologic events and application of hydrologic models. Laboratory component will emphasize the application of hydrologic and hydraulic models and the quantification of hydrologic and hydraulic parameters. Course previously offered as BAE 4313. May not be used for degree credit with BAE 4314.
Credit hours: 4
Contact hours: Lecture: 3 Lab: 2
Levels: Graduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng

BAE 5323 GIS for Water Resources
Prerequisites: ENSC 2113 or GEOG 4203 or LA 4453 or NREM 2083.
Description: Various aspects of GIS applications in water resources, including spatial coordinate systems, acquisitioning water resources GIS data, water resources data management and processing, physiographic terrain analysis and mapping, river and watershed networks, National Hydrography Dataset (NHD), and Arc Hydro. May not be used for degree credit with BAE 4323.
Credit hours: 3
Contact hours: Lecture: 2 Lab: 2
Levels: Graduate
Schedule types: Lab, Lecture, Combined lecture and lab
Department/School: Biosystems & Ag Eng
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department/School</th>
<th>Schedule types</th>
<th>Levels</th>
<th>Contact hours</th>
<th>Credit hours</th>
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</thead>
<tbody>
<tr>
<td>BAE 5324</td>
<td>Modeling and Design in Storm Water and Sediment Control</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td>Description: Analysis and design of storm water, sediment and water quality systems with a focus on application to urban areas and developments in the urban-rural fringe. Advanced concepts in hydrologic modeling with kinematics, diffusion and dynamic modeling of flow; soil erosion, sediment transport and sediment control; storm water quality modeling and the impact of best management practices. In laboratories, use of hydrologic, sediment, and water quality models in analysis and design for real-world problems.</td>
<td></td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
<td>3 Lab: 3 Contact: 6</td>
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<tr>
<td>BAE 5333</td>
<td>Applied Water Resources Statistics</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td></td>
<td>Prerequisites: STAT 5013 or equivalent.</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
<td>2 Lab: 3 Contact: 5</td>
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<td>BAE 5343</td>
<td>Environmental Contaminant Fate and Transport</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td>3</td>
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<td></td>
<td>Prerequisites: BAE 4324 or consent of instructor.</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
<td>3 Contact: 3</td>
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<td>BAE 5353</td>
<td>Environmental and Ecological Risk Assessment</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td></td>
<td>Prerequisites: Graduate standing.</td>
<td></td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
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<td>BAE 5374</td>
<td>Water Quality Engineering</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td></td>
<td>Prerequisites: Graduate standing.</td>
<td></td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
<td>3 Lab: 3 Contact: 6</td>
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<tr>
<td>BAE 5413</td>
<td>Advanced Data Acquisition and Control</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td></td>
<td>Prerequisites: BAE 3023 or equivalent.</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
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<td>BAE 5423</td>
<td>Food Rheology</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td></td>
<td>Prerequisites: ENSC 3233.</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
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<td>BAE 5433</td>
<td>Biosensors</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<td></td>
<td>Prerequisites: PHYS 2114 and CHEM 3053 or equivalent.</td>
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<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
<td>3 Contact: 3</td>
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<td>BAE 5443</td>
<td>Food Engineering</td>
<td>Biosystems &amp; Ag Eng</td>
<td>Lecture</td>
<td>Graduate</td>
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<tr>
<td></td>
<td>Prerequisites: BAE 3013 and ENSC 3233, ENSC 2213.</td>
<td></td>
<td>Lab, Lecture, Combined lecture and lab</td>
<td>Graduate</td>
<td>3 Contact: 3</td>
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</tbody>
</table>

BAE 5324 Prerequisites: BAE 4313 or equivalent.  
BAE 5333 Prerequisites: STAT 5013 or equivalent.  
BAE 5343 Prerequisites: BAE 4343 or consent of instructor.  
BAE 5353 Prerequisites: Graduate standing.  
BAE 5374 Prerequisites: Graduate standing.  
BAE 5413 Prerequisites: BAE 3023 or equivalent.  
BAE 5423 Prerequisites: ENSC 3233.  
BAE 5433 Prerequisites: PHYS 2114 and CHEM 3053 or equivalent.  
BAE 5443 Prerequisites: BAE 3013 and ENSC 3233, ENSC 2213.
BAE 5501 Seminar
Description: Discussion of current literature with special emphasis on research and experimental techniques.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Graduate
Schedule types: Discussion
Department/School: Biosystems & Ag Eng

BAE 6000 Doctoral Research and Dissertation
Prerequisites: Approval by the student's advisory committee.
Description: Research and doctoral dissertation preparation. Offered for variable credit, 1-10 credit hours, maximum of 42 credit hours.
Credit hours: 1-10
Contact hours: Contact: 1-10 Other: 1-10
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng

BAE 6101 Teaching Practicum in Biosystems Engineering
Prerequisites: One semester of doctoral study in Biosystems Engineering, or consent of instructor.
Description: Philosophies and techniques of resident and non-resident teaching, including experiences in preparation, presentation, and evaluation of lectures, laboratories, extension or continuing education programs. Course previously offered as BAE 6100.
Credit hours: 1
Contact hours: Contact: 1 Other: 1
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng

BAE 6213 Advanced Biomass Thermochemical Conversion
Prerequisites: ENSC 2213.
Description: Advanced study, evaluation, and application of thermochemical conversion pathways in biofuel production. Specific topics include biomass gasification, pyrolysis, liquefaction, and heterogeneous catalysis. Course available online only through AG*IDEA consortium. Course previously offered as BAE 6100.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 6313 Stochastic Methods in Hydrology
Prerequisites: CIVE 5843, STAT 4033.
Description: Stochastic and statistical hydrologic analyses of surface water and groundwater systems. Analysis of urban and rural drainage and detention systems. Same course as CIVE 6843.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 6333 Fluvial Hydraulics
Prerequisites: BAE 3013 or equivalent.
Description: Principles of sediment detachment and transport in fluvial systems. Design of stable channels and flow resistance relationships for sediment-laden flows.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 6343 Ground Water Contaminant Transport
Prerequisites: SOIL 5583 or CIVE 5913 or GEOL 5453.
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 6503 Similitude in Research
Credit hours: 3
Contact hours: Lecture: 3 Contact: 3
Levels: Graduate
Schedule types: Lecture
Department/School: Biosystems & Ag Eng

BAE 6520 Problems in Soil and Water Engineering
Prerequisites: Consent of instructor.
Description: Consent of instructor. Problems associated with erosion control, drainage, flood protection and irrigation. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.
Credit hours: 2-6
Contact hours: Contact: 2-6 Other: 2-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng

BAE 6540 Prob Farm Power & Mach
Prerequisites: Consent of instructor.
Description: Literature review and analytical studies of selected farm power and machinery problems. Written report required. Offered for variable credit, 2-6 credit hours, maximum of 6 credit hours.
Credit hours: 2-6
Contact hours: Contact: 2-6 Other: 2-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng

BAE 6580 Problems in Transport Processes
Prerequisites: Consent of instructor.
Description: Literature review and analysis of heat and mass transport and interval diffusion in biological materials. Transport phenomena at interfaces, thermal and cryogenic processing, drying, packed and fluidized bed systems. Thermal and moisture control processing affecting quality of food products. Written report required. Offered for variable credit, 2-6 credit hours, maximum of 6 credit hours.
Credit hours: 2-6
Contact hours: Contact: 2-6 Other: 2-6
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng
BAE 6610 Adv Research & Study
Prerequisites: Approval by the student's advisory committee.
Description: Research and study at the doctoral level on the topic related to the student's doctoral program and field of interest. Offered for variable credit, 1-10 credit hours, maximum of 20 credit hours.
Credit hours: 1-10
Contact hours: Contact: 1-10 Other: 1-10
Levels: Graduate
Schedule types: Independent Study
Department/School: Biosystems & Ag Eng