

Minutes of the Undergraduate Curriculum Committee
November 11, 2011
101A General Services Complex

Members present: Robert Knight (Chair), College of Agriculture and Life Sciences; Tim Scott (Vice-Chair), College of Science; Julie Rogers (for Leslie Feigenbaum), College of Architecture; Christine Bergeron, College of Education and Human Development; John Tyler, Dwight Look College of Engineering; Sarah Bednarz, College of Geosciences; Mike Stephenson, College of Liberal Arts; Nancy Simpson (for Liesl Wesson), Mays Business School; Glenn Jones, Texas A&M University at Galveston; Jim Kracht (for Lesia Crumpton-Young), Undergraduate Studies; James Herman, College of Veterinary Medicine and Biomedical Sciences; Amin Rasekh, Student Representatives.

Guests: Ramesh Talreja, Department of Aerospace Engineering; April Place and Jennifer Williams, Department of Agricultural Leadership, Education, and Communications; Donna Witt, Department of Animal Science; Nancy Klein, Department of Architecture; David Peterson, Department of Biochemistry; Nancy Street, Department of Communication; Richard Furuta and John Keyser, Department of Computer Science and Engineering; Jay Porter and Matt Whiteacre, Department of Engineering Technology and Industrial Distribution; Stephanie Harris, Department of European and Classical Languages and Cultures; Elisabeth McNeill and Susan Wagner, Department of Health and Kinesiology; Della Whitcomb, Department of Information and Operations Management; Andy Banerjee, Department of Industrial and Systems Engineering; Leslie Seipp, Department of Marketing; Poppy Capehart, Department of Nutrition and Food Science; Jennifer Allen, Department of Poultry Science; Donnalee Dox, Religious Studies Program.

The Undergraduate Curriculum Committee recommends approval of the following:

1. The minutes of the October 14, 2011 meeting.
2. New Courses

ACCT 421. Critical Communication Skills for Accountants. (2-0). Credit 2. Development of oral and written communication skills prerequisite to successful careers in public and corporate accounting. Prerequisite: ACCT 327 with a grade of C or better.

ALED 424. Applied Ethics in Leadership. (3-0). Credit 3. Exploration of ethical and moral theories and the application to multiple leadership contexts and situations. Prerequisites: ALED 340; junior or senior classification or approval of instructor.

ARCH 216. Computational Methods in Architecture. (0-3). Credit 1. Software and processes for computation design in architecture; image editing and creation, vector drawing, 3D modeling, parametric modeling, rendering techniques and simulation. May be taken two times for credit. Prerequisite: Classification in environmental design.

ARCH 248. Writing in Architectural History. (0-2). Credit 1. Introduction to and practice of writing in architectural history with emphasis on description, analysis, interpretation and critical thinking. Prerequisites: Classification in environmental design and concurrent enrollment in ARCH 249.

ARCH 317. Digital Fabrication for Architecture. (1-4). Credit 3. Digital fabrication for architecture including software, numerically controlled tools, translation applications and management strategies for digital fabrication workflows; production of building components from three dimensional datasets of virtual architecture proposals. Prerequisites: Junior or senior classification, or approval of instructor; ENDS 106.

ARCH 390. Introduction to Architectural Research. (3-0). Credit 3. Concepts and methods for architectural research; techniques of developing a hypothesis, literature review, data collection and analysis, generation of conclusions, and technical writing; research quality, including validity, reliability, generality, originality, significance. Prerequisites: Junior or senior classification; ARCH 212 or approval of instructor.

BICH 404. Biochemical Calculations. (1-0). Credit 1. Quantitative and computational approaches to biochemical problems. Prerequisites: BICH 440 or registration therein; junior or senior classification.

CHEM 456. Chemical Biology. (3-0). Credit 3. Application of chemical principles to biological phenomena; capstone course for advanced students, integrating organic or inorganic chemistry with biology. Prerequisites: CHEM 228 or equivalent; junior or senior classification.

COMM 324. Communication Leadership and Conflict Management. (3-0). Credit 3. Communication perspective of leadership, of conflict, of management of conflict in interpersonal, group and societal contexts; models of leadership as communication phenomenon; use of symbols by leaders to foster collaboration, systemic constructionist approach. Prerequisite: Junior or senior classification.

ENTC 269. Embedded Systems Development in C. (2-3). Credit 3. Introduction to programming using the C programming language and embedded microcontroller systems; fundamental language syntax and semantics, concentration of the application to embedded systems. Prerequisites: ENTC 151; engineering technology major.

ENTC 329. Six Sigma and Applied Statistics. (3-3). Credit 4. Concepts of probability and statistics, mean, variance, Gaussian/uniform/Student/Weibull distributions, and their applications in electronics design, analysis, and troubleshooting; Six Sigma process and tools including Gauge R&R, test of hypotheses, analysis of variance, linear regression, response surface method, control chart, and design of experiments. Prerequisites: ENTC 210 with a grade of C or better, admission to upper level in engineering technology.

ENTC 366. Communications Electronics. (2-3). Credit 3. Fundamentals of system approach to the design of communication electronics circuit; amplitude and frequency modulation techniques; application to the design of circuit level amplitude and frequency modulation; design techniques; transmission lines; wave propagation and optical/laser technologies. Prerequisites: ENTC 350, admission to upper level in electronics engineering technology.

HEFB 322. Teaching and Schooling in Modern Society. (2-3). Credit 3. Developing an understanding of students in multiple settings and levels; development, structure, history, finance, and management of schools in a democratic society; philosophical, ethical and moral dimensions of teaching; professional role of teacher. Prerequisites: Junior or senior classification; majors only. Cross-listed with KNFB 322.

HEFB 324. Technology and Teaching Skills for the 21st Century Learner. (2-2). Credit 3. Preparation of future Health and Physical Education teachers with practical skills related to: technology in the classroom/gymnasium, strategies for addressing urban education and English language learners, liability, management and classroom discipline, development of professional communication skills and time management; includes field based experiences in diverse classroom settings. Prerequisites: HEFB 322; junior or senior classification. Cross-listed with KNFB 324.

HEFB 325. Introduction to Secondary School Teaching. (2-2). Credit 3. Introduce fundamental teaching skills and theories necessary for preparing reflective teachers; examine classroom management, learning strategies and assessment techniques; classroom lectures combined with field-based experiences to link theory into practice. Prerequisites: HEFB 324; admission to the professional phase of program; junior or senior classification. Cross-listed with KNFB 325.

HEFB 450. Supervised Student Teaching. (0-30). Credit 6. Observation and participation in an accredited public school classroom; techniques of teaching student's teaching fields, and appropriate instructional strategies for assigned student population. Prerequisites: Admission to professional phase of program and to student teaching; junior or senior classification. Cross-listed with KNFB 450.

HORT 426. International Floriculture Marketing. (2-2). Credit 3. Importance, cost, and opportunities in marketing floral products, fresh cut flowers, flowering potted plants, foliage plants, and bedding/garden plants; topics include: world production areas, economic value, species grown, marketing channels, retail environments, current/future consumers, postharvest handling, promotion/advertising, perceived/added value, marketing trends and employment opportunities. Prerequisites: HORT 201; junior or senior classification.

HUMA 321. Political Islam and Jihad. (3-0). Credit 3. Interaction between Islamic movements and politics in various Middle Eastern countries; the meaning and evolution of jihad; the role of Islam as a tool for political and social mobilization. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with RELS 321.

INFO 300. Business Communications I. (1-0). Credit 1. Proper techniques for writing major-specific business communications; progress report, memorandum, letter, executive summary; verbal communications via phone call and person-to-person communications; critiques of personal and peer writing. Prerequisites: Junior or senior classification; INFO majors only.

INFO 400. Business Communications II. (1-0). Credit 1. Development of critical interpersonal and oral communication skills; strategies for positive team development; conflict resolution; oral presentations and information elicitation; production of effective visual aids. Prerequisites: Senior classification; INFO majors only.

INTS 205. Current Issues in International Studies. (1-0). Credit 1. Exploration of current issues and problems in International Studies through attendance of events, lectures by noted international academics and professionals, and in-class discussions. May be taken three times for credit. Prerequisite: International studies major.

INTS 401. Urbanism and Modernism. (3-0). Credit 3. Interdisciplinary examination of the transition from rural traditions to urban alienation, covering modernist currents in culture, history, politics, and society; exploration of the problems of urbanism as represented by the most renowned twentieth-century artists; study of such topics as modernist urban design, urban alienation, modernist cities, dystopia, and urbanism. Prerequisites: International studies major; junior or senior classification; INTS 201.

INTS 403. Nations and Nationalisms. (3-0). Credit 3. Interdisciplinary approach where nation is understood as modern political entity distinct from country; examination of historical and philosophical origins of idea of nationalism; theories on nationhood, national identity and rise of nationalism; global variety of concrete test cases to highlight actual functions (wars, decolonization, symbolic representations in film, etc.). Prerequisites: International studies major; junior or senior classification; INTS 201.

INTS 405. War and Memory. (3-0). Credit 3. Examination of world wars, colonial wars, genocides, and historical crimes from the late nineteenth century until the present; analysis of the changing memory of those traumatic events as evident in historical accounts, commemorations, film, and literature. Prerequisites: International studies major; junior or senior classification; INTS 201.

KNFB 324. Technology and Teaching Skills for the 21st Century Learner. (2-2). Credit 3. Preparation of future Health and Physical Education teachers with practical skills related to: technology in the classroom/gymnasium, strategies for addressing urban education and English language learners, liability, management and classroom discipline, development of professional communication skills and time management; includes field based experiences in diverse classroom settings. Prerequisites: KNFB 322; junior or senior classification. Cross-listed with HEFB 324.

MKTG 426. Advanced Retail Case Competition. (3-0). Credit 3. Problems and opportunities faced by retailing organizations; development of an effective strategy through application-oriented seminars and activities, interaction with industry guest speakers and executives; analysis of retail strategies in field settings and completion of a semester long retail audit; participation in a national case competition. Prerequisites: Admission to upper division in Mays Business School and approval of instructor.

MKTG 445. Advertising Account Planning. (3-0). Credit 3. Concepts in account planning; gathering and analyzing data (database analysis, focus groups, interviews, surveys); compilation of research into a situation analysis and creative brief for use in a national advertising case competition. Prerequisites: MKTG 321, approval of instructor.

RELS 321. Political Islam and Jihad. (3-0). Credit 3. Interaction between Islamic movements and politics in various Middle Eastern countries; the meaning and evolution of jihad; the role of Islam as a tool for political and social mobilization. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with HUMA 321.

3. Withdrawal of Courses

ARCH 312. Design Journal.

ARCH 329. The American House.

ENDS 170. Computer Techniques for Design and Visualization.

ENTC 216. Semiconductor Process Technology.

ENTC 351. Electronic Devices and Circuits II.

ENTC 407. Instrumentation and Controls.

4. Change in Courses

AERO 404. Mechanics of Advanced Aerospace Structures.

Prerequisites

From: AERO 306.
To: AERO 304 and junior or senior classification.

AERO 424. Spacecraft Attitude Dynamics and Control.

Prerequisites

From: AERO 421, AERO 423, or approval of instructor.
To: AERO 421 and junior or senior classification.

ANSC 316. Equine Selection and Judging.

Prerequisites

From: ANSC 311 or equivalent experience.
To: Junior or senior classification or approval of instructor.

ANSC 320. Animal Nutrition and Feeding.

Prerequisites

From: CHEM 222 or 227.
To: Junior or senior classification or approval of instructor.

ANSC 406. Beef Cattle Production and Management.

Prerequisites

From: ANSC 303, 305, 318; ANSC 433 or registration therein.
To: ANSC 303, ANSC 318, ANSC 433; junior or senior classification.

ANSC 412. Swine Production and Management.

Prerequisites

From: ANSC 318 or registration therein for animal science majors; ANSC 320 or registration therein for non-animal science majors.
To: Junior or senior classification or approval of instructor.

ANSC 414. Sheep and Goat Production and Management.

Prerequisites

From: ANSC 303 and 318 or approval of instructor.
To: Junior or senior classification or approval of instructor.

ANSC 420. Equine Production and Management.

Prerequisites

From: ANSC 201, 305, 318, 433.
To: ANSC 201 and ANSC 433; junior or senior classification.

ANSC 439. Feedlot Risk Management.

Prerequisites

From: ANSC 437 and 438.

To: ANSC 437; junior or senior classification or approval of instructor.

ANSC 481. Seminar.

Prerequisites

From: Priority enrollment given to graduating seniors in animal science.

To: Senior classification.

ANSC 487. Sensory Evaluation of Foods.

Prerequisites

From: CHEM 222 or 228; junior or senior classification.

To: CHEM 222 or CHEM 227; junior or senior classification.

ARCH 305. Architectural Design III.

Course description

From: Theory and practice of architecture as art and science; study of function, structure and form in site and building design through an analytical approach to programming, design methods, problem identification, case studies and problem resolution; exercises in identifying various conditions and forces associated with a variety of building types and the generation of a range of design solutions.

To: Integration of architectural theories and philosophy with environmental design systems; study of theoretical approaches to graphic and analytical thinking, problem identification and design dissemination through various media, case studies and problem resolution; conditions and forces associated with a variety of building types and the generation design solutions.

Prerequisites

From: ARCH 205; ARCH 206 or ARCH 207; ARCH 249 and upper level classification in the BED Architecture Studies Option.

To: Admission to upper level in environmental design; ARCH 249 and ARCH 250.

ARCH 310. Site Planning and Design.

Prerequisites

From: Upper-level classification in environmental design, construction science or landscape architecture.

To: Admission to upper level in environmental design, construction science or landscape architecture.

ARCH 330. The Making of Architecture.

Prerequisites

- From: Junior or senior classification; ENDS or ARCH classification.
To: Junior or senior classification in environmental design or ARCH classification.

ARCH 331. Foundations Structures.

Course title

- From: Foundations Structures.
To: Architectural Structures.

Course description

- From: Introduction to the physical principles that govern statics and strength of materials through the design of architectural structures from a holistic view, in the context of architectural ideas and examples; introduction to construction, behavior of materials, and design considerations for simple and complex structural assemblies; computer applications. Concurrent enrollment in ARCH 305.
To: Physical principles that govern statics and strength of materials through the design of architectural structures from a holistic view, in the context of architectural ideas and examples; introduction to construction, behavior of materials, and design considerations for simple and complex structural assemblies; computer applications.

Prerequisites

- From: Upper level classification in the BED Architectural Studies Option; MATH 142 or equivalent; PHYS 201.
To: Junior or senior classification in environmental design; MATH 142 or equivalent; PHYS 201.

ARCH 335. Foundations Systems.

Course title

- From: Foundations Systems.
To: Architectural Systems.

Prerequisites

- From: Upper level classification in the BED Architectural Studies Option; PHYS 201.
To: Junior or senior classification in environmental design; PHYS 201.

ARCH 350. History and Theory of Modern and Contemporary Architecture.

Prerequisites

- From: Junior or senior classification or approval of degree coordinator or instructor.
To: Junior or senior classification.

ARCH 401. Design Creativity.

Prerequisites

From: Upper classification in Environmental Design.

To: Admission to upper level in environmental design.

ARCH 405. Architectural Design IV.

Course description

From: A comprehensive design studio focused on the integration of design theory with functionally sustainable environmental and structural systems; consideration of a project from site analysis and programming through design detailing. Concurrent enrollment in ARCH 431 and ARCH 435.

To: A comprehensive design studio focused on the integration of design theory with functionally sustainable environmental and structural systems; consideration of a project from site analysis and programming through design detailing.

Prerequisites

From: Upper level classification in the BED Architectural Studies Option; ARCH 305; CARC 301 or ENDS 494.

To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335; CARC 301 or ENDS 494; concurrent enrollment in ARCH 431 and ARCH 435.

ARCH 406. Architecture Design V.

Prerequisites

From: Upper level classification in the BED Architectural Studies Option; ARCH 405.

To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335 and ARCH 405; CARC 301 or ENDS 494.

ARCH 407. Integrated Home Architecture Studio.

Course description

From: Integrated and comprehensive design, fabrication, and construction of a house, including practical experience with various architectural systems and controls. Concurrent enrollment in ARCH 432 and ARCH 436.

To: Integrated and comprehensive design, fabrication, and construction of a house, including practical experience with various architectural systems and controls.

Prerequisites

From: ARCH 305 and ARCH 331.

To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335; CARC 301 or ENDS 494; concurrent enrollment in ARCH 432 and ARCH 436.*

ARCH 408. Experimental Home Architecture.

Prerequisites

From: ARCH 407, 431, 434.

To: Admission to upper level in environmental design; ARCH 407, ARCH 432, ARCH 436.

ARCH 421. Energy and Sustainable Architecture.

Prerequisites

From: ARCH 335 or approval of instructor.

To: Junior and senior classification or approval of instructor.

ARCH 431. Integrated Structures.

Course description

From: Selection and economics of structural systems in the context of integrating structural systems into a building through good design; analysis and design of wood, steel, concrete, and composite systems and members in relation to building design. Concurrent enrollment in ARCH 405 and ARCH 435.

To: Selection and economics of structural systems in the context of integrating structural systems into a building through good design; analysis and design of wood, steel, concrete, and composite systems and members in relation to building design.

Prerequisites

From: ARCH 305, 331.

To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335; concurrent enrollment in ARCH 405 and ARCH 435.

ARCH 432. Integrated Home Structures and Construction.

Course description

From: Selection and economics of structural systems in the context of integrating residential structures through good design; analysis and design of wood, steel, concrete, and composite systems and members in relation to building design. Concurrent enrollment in ARCH 407 and ARCH 436.

To: Selection and economics of structural systems in the context of integrating residential structures through good design; analysis and design of wood, steel, concrete, and composite systems and members in relation to building design.

Prerequisites

From: ARCH 305, 331.

To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335; concurrent enrollment in ARCH 407 and ARCH 436.

ARCH 435. Integrated Systems.

Course description

- From: An understanding of how to integrate sustainable environmental systems into a building through good design; lectures are provided as a support to studio; systems faculty participate in studio critiques throughout the project. Concurrent enrollment in ARCH 405 and ARCH 431.
- To: Understanding how to integrate sustainable environmental systems into a building through good design; lectures support studio; systems faculty participate in studio critiques throughout the project.

Prerequisites

- From: ARCH 305, 335.
- To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335; concurrent enrollment in ARCH 405 and ARCH 431.

ARCH 436. Integrated Home Architecture Systems.

Course description

- From: An understanding of how to integrate sustainable environmental systems into a residence through good design; lectures are provided as a support to studio; systems faculty participate in studio critiques throughout the project. Concurrent enrollment in ARCH 407 and ARCH 432.
- To: Understanding how to integrate sustainable environmental systems into a residence through good design; lectures support studio; systems faculty participate in studio critiques throughout the project.

Prerequisites

- From: ARCH 305, 335.
- To: Admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335; concurrent enrollment in ARCH 407 and ARCH 432.

ARCH 452. Alternative Careers in Architecture.

Course title

- From: Alternative Careers in Architecture.
- To: Careers in Architecture.

Course description

- From: Study of the careers of individuals who have utilized their architectural education in non-traditional ways, such as: politics, journalism, real estate, etc.; interviews with select representative individuals.
- To: Career opportunities in the profession of architecture; investigations into the composition of architectural practice today and the wide range of specialties represented in architectural firms; interviews with select representative individuals.

Prerequisites

From: Upper-level classification in environmental design, construction science or landscape architecture.

To: Admission to upper level in environmental design, construction science or landscape architecture.

ARCH 463. Elements of Interior Architecture.

Course description

From: Analysis and design of architectural interiors; historical and professional perspectives incorporating programming; space planning and organization; graphic presentation; specifications and selection of furnishings and materials to satisfy user needs in residential, commercial and institutional settings. Concurrent enrollment in ARCH 405 or 406 not allowed.

To: Analysis and design of architectural interiors; historical and professional perspectives incorporating programming, space planning and organization; specification and selection of furnishings and materials to satisfy user needs in residential, commercial and institutional settings.

Prerequisites

From: ARCH 305, 231, 233.

To: Admission to upper level in environmental design; concurrent enrollment in ARCH 405, ARCH 431 and ARCH 435 not allowed.

Lab and semester credit hours

From: (3-9). Credit 6.

To: (3-0). Credit 3.

ARCH 485. Directed Studies.

Prerequisites

From: Upper level classification; approval of instructor and degree coordinator.

To: Admission to upper level in environmental design; approval of instructor and degree coordinator.

ARCH 489. Special Topics in...

Prerequisites

From: Upper level classification; approval of instructor and degree coordinator.

To: Junior or senior classification; approval of instructor and degree coordinator.

ARCH 491. Advanced Architecture Innovation Research.

Prerequisites

From: Approval of instructor and department head; junior or senior classification.

To: Admission to upper level in environmental design; approval of instructor and department head.

ATMO 324. Physical and Regional Climatology.

Prerequisites

- From: ATMO 201 and 203; MATH 172; course that satisfies departmental computer science requirement.
To: ATMO 201 and ATMO 203; MATH 308 or registration therein or approval of instructor; ATMO 321 or equivalent; junior or senior classification.

ATMO 336. Atmospheric Dynamics.

Prerequisites

- From: ATMO 335, MATH 311 or registration therein.
To: ATMO 363 or approval of instructor; junior or senior classification only.

ATMO 456. Practical Weather Forecasting.

Prerequisites

- From: ATMO 336 or 455; junior or senior classification.
To: ATMO 435 or registration therein; junior or senior classification.

ATMO 461. Broadcast Meteorology.

Prerequisites

- From: ATMO 455 or approval of instructor; senior classification.
To: ATMO 335 or registration therein; MATH 308 or registration therein; junior or senior classification.

ATMO 463. Air Pollution Meteorology.

Prerequisites

- From: ATMO 335 or approval of instructor.
To: ATMO 363 or approval of instructor; junior or senior classification only.

CSCE 110. Programming I.

Course description

- From: Basic concepts, nomenclature and historical perspective of computers and computing; internal representation of data; software design principles and practices; structured programming in Pascal; use of terminals, operation of editors and execution of student-written programs.
To: Basic concepts in using computation to enhance problem solving abilities; nomenclature and historical perspective of computers and computing; internal representation of data; software design principles and practices; editing and execution of student-written programs.

DASC 312. Food Chemistry.

Prerequisites

- From: CHEM 222 or 228 or approval of department head.
To: CHEM 227; CHEM 237 or approval of department head or instructor.

DASC 313. Food Chemistry Lab.

Prerequisites

From: CHEM 238 or 242.

To: CHEM 227; CHEM 237 or approval of department head or instructor.

DASC 314. Food Analysis.

Prerequisites

From: CHEM 238 or 242.

To: CHEM 227; CHEM 237 or approval of department head or instructor.

ECEN 303. Random Signals and Systems.

Prerequisites

From: ECEN 314; MATH 308; junior or senior classification.

To: MATH 308; junior or senior classification.

ECEN 448. Real-Time Digital Signal Processing.

Course description

From: Features and architectures of digital signal processing chips; assembly language programming; software development tools; real-time implementation of FIR filters, IIR filters, and the FFT algorithms; signal processing project.

To: Features and architectures of digital signal processing (DSP) chips; fundamental compromises amongst computational accuracy, speed and cost; real-time implementation of filtering, audio, image and video processing algorithms; rapid prototyping via MATLAB/Simulink.

Prerequisites

From: ECEN 444; familiarity with C programming.

To: ECEN 444; junior or senior classification.

ENDS 105. Design Foundations I.

Prerequisites

From: Classification in environmental design, construction science or landscape architecture.

To: Classification in environmental design and concurrent enrollment in ENDS 115.

ENDS 112. Environmental Responsibilities and Design.

Prerequisites

From: Lower division classification in the BED Architecture Studies Option.

To: Classification in environmental design.

ENDS 115. Design Communication Foundations.

Course description

- From: Introduction to and practice of tools, methods, techniques available for graphic communication; graphic communication and the design process; observation and other forms of free-hand drawing and drawing systems that develop representational and descriptive capabilities. Integrally related to ENDS 105.
- To: Introduction to and practice of tools, methods, techniques available for graphic communication; graphic communication and the design process; observation and other forms of free-hand drawing and drawing systems that develop representational and descriptive capabilities.

ENDS 116. Design Communication Foundations II.

Course description

- From: Introduction to design drawing using a wide variety of tools ranging from conventional drafting and drawing equipment to the latest digital graphic applications; a focused investigation of analytical drawing as it contributes to the design process; experience of a wide variety of drawing conventions intended to equip students to navigate a design process. Integrally related to ENDS 106.
- To: Introduction to design drawing using a wide variety of tools ranging from conventional drafting and drawing equipment to the latest digital graphic applications; a focused investigation of analytical drawing as it contributes to the design process; experience of a wide variety of drawing conventions intended to equip students to navigate a design process.

ENDS 260. Comparative Theory in the Built and Virtual Environments.

Prerequisites

- From: ENDS 102, 103, 250.
To: none

ENDS 484. Summer Internship.

Prerequisites

- From: Upper-level classification in environmental design; approval of environmental design internship coordinator.
- To: Admission to upper level in environmental design; approval of environmental design internship coordinator.

ENDS 485. Directed Studies.

Prerequisites

- From: Approval of instructor or department head.
To: Approval of instructor and degree coordinator.

ENDS 491. Research.

Prerequisites

From: Junior or senior classification and approval of instructor.

To: Admission to upper level in environmental design; approval of instructor and department head.

ENDS 494. Internship.

Prerequisites

From: Upper-level classification in environmental design; approval of environmental design internship coordinator.

To: Admission to upper level in environmental design; approval of environmental design internship coordinator.

ENTC 211. Circuit Analysis II.

Course title

From: Circuit Analysis II.

To: Power Systems and Circuit Applications.

Course description

From: Continuation of ENTC 210. Multiloop and multinode circuit networks; phasor analysis of networks, resonance, bridge circuits, Fourier components of waveforms, passive filter networks, frequency response, Laplace transformation, practice in measurements.

To: Fundamentals of energy systems; power generation/distribution; motors/generators; AC power analysis; power factor correction; application of Thevenin's and Norton's Theorems, Superposition Theorem, and Mesh and Nodal analysis; resonant circuits; passive filters; nonsinusoidal circuits; pulse waveforms; measurements of AC circuits; circuit analysis using Multisim.

Lab hours

From: (3-2). Credit 4.

To: (3-3). Credit 4.

ENTC 219. Digital Electronics.

Lab hours

From: (3-2). Credit 4.

To: (3-3). Credit 4.

ENTC 251. Engineering Leadership.

Course number

From: ENTC 251.

To: ENTC 151.

Course description

From: Exploration of Emotional Intelligence (EI), identification of personal EI competencies and areas for improvement, and development of these competencies and skills; determination of techniques to anticipate and manage our emotions, and to anticipate and work with the emotions of others.

To: IQ vs. EQ; self-awareness; self-management; time management and procrastination; social awareness and relationship management; effective communication and empathy; building on strengths and compensating weaknesses; emotional intelligence assessment; personality style assessment; experiential exercises; leadership retreat.

ENTC 303. Fluid Mechanics and Power.

Prerequisites

From: ENTC 275; admitted to major degree sequence (upper-level) in engineering technology.

To: ENTC 275, PHYS 208, PHYS 218; admitted to major degree sequence (upper-level) in engineering technology.

ENTC 349. Microprocessors.

Course title

From: Microprocessors.

To: Microcontroller Architecture.

Course description

From: Microprocessors including types of circuits and how they function; architecture of microprocessors; instruction sets and how they are programmed.

To: Microcontrollers including type of circuits and how they function; architecture of microcontrollers; instruction sets and how they are programmed.

Prerequisites

From: ENTC 249, CSCE 206; admitted to major degree sequence (upper-level) in engineering technology.

To: ENTC 219, ENTC 269; admitted to major degree sequence (upper-level) in engineering technology.

ENTC 352. Introduction to Mixed-Signal Test and Measurement.

Course title

From: Introduction to Mixed-Signal Test and Measurement.

To: Electronics Testing I.

Course description

- From: Testing of mixed-signal circuits for signal processing and interfacing between the circuit under test and state-of-the-art test equipment; concepts include test specifications, parametric testing, measurement accuracy, test hardware, DSP-based testing, analog and sampled channel testing, and focused calibrations.
- To: Testing of electronic devices and systems; including test planning, test reporting, test specifications, parametric testing, measurement accuracy, test hardware, sampling theory, digital signal processing based testing, and calibrations; both circuit analysis (2/3) and circuit design (1/3) with several analog and mixed-signal systems.

ENTC 359. Electronic System Interfacing.

Course title

- From: Electronic System Interfacing.
To: Electronic Instrumentation.

Course description

- From: Computer-based data acquisition and process control using graphical development environment; interfacing techniques include digital input/output, analog input/output, counter/timer applications, common transducers/signal conditioning and data communication methods.
- To: Fundamentals of controls, measurement systems, sensors, sampling theorem, analog to digital and digital to analog conversions; signal conditioning; digital signal processing; computer-based data acquisition using graphical development environment; and digital communication protocols.

Lab hours

- From: (3-2). Credit 4.
To: (3-3). Credit 4.

ENTC 410. Manufacturing Automation and Robotics.

Prerequisites

- From: ENTC 361, ENTC 380, ENTC 383, IDIS 300, admitted to major degree sequence (upper-level) in engineering technology.
- To: ENTC 361, ENTC 376, ENTC 380, ENTC 383, IDIS 300; admitted to major degree sequence (upper-level) in engineering technology.

ENTC 412. Production and Inventory Planning.

Prerequisites

- From: ISEN 302; completion of junior level courses; admitted to major degree sequence (upper-level) in engineering technology.
- To: ENTC 320, ENTC 380, ENTC 383, ISEN 302; admitted to major degree sequence (upper-level) in engineering technology.

ENTC 419. Engineering Technology Capstone I.

Prerequisites

- From: Senior classification; must be taken semester before enrollment in ENTC 420.
To: ENTC 369 and senior classification.

ENTC 420. Engineering Technology Capstone II.

Lecture, lab and semester credit hours

- From: (2-4). Credit 3.
To: (0-6). Credit 2.

ENTC 435. Data Communications.

Course description

- From: Data communications concepts, theory and techniques including: transmission, encoding, decoding, error detection and correction, link control, networking and standards.
To: Data communications concepts and techniques involving error detection and correction, data link control, switching, client-server computing, data compression, data security, internet protocol (IP), transmission control protocol (TCP), includes development of a data link control layer and a client server system utilizing socket by using C Programming Language in Visual C++ environment.

Lecture, lab and semester credit hours

- From: (3-2). Credit 4.
To: (2-3). Credit 3.

ENTC 452. Advanced Semiconductor Test and Measurement.

Course title

- From: Advanced Semiconductor Test and Measurement.
To: Electronics Testing II.

Course description

- From: Advanced test methodologies; emphasis on DAC testing, ADC testing, Device Interface Board Design, Data Analysis and Test Economics; provides hands on experience in Mixed-Signal testing using industry funded state-of-the-art test equipment.
To: Advanced testing techniques of electronic devices and systems; study of advanced electronics test methodologies; emphasis on circuits containing analog to digital converters (ADCs) and digital to analog converters (DACs); device interface board design and data analysis; both circuit analysis (2/3) and circuit design (1/3) using industry grade state-of-the-art equipment.

Lecture and semester credit hours

- From: (3-3). Credit 4.
To: (2-3). Credit 3.

FSTC 312. Food Chemistry.

Prerequisites

From: CHEM 222 or 228 or approval of department head or instructor.

To: CHEM 227; CHEM 237 or approval of department head or instructor.

FSTC 313. Food Chemistry Lab.

Prerequisites

From: CHEM 238 or 242 or instructor approval.

To: CHEM 227; CHEM 237 or approval of department head or instructor.

FSTC 314. Food Analysis.

Prerequisites

From: CHEM 238 or 242 or approval of department head or instructor.

To: CHEM 227; CHEM 237 or approval of department head or instructor.

FSTC 369. Experimental Nutrition & Food Science Laboratory.

Course number

From: FSTC 369.

To: FSTC 469.

FSTC 415. Religious and Ethnic Foods.

Course number

From: FSTC 415.

To: FSTC 300.

ISEN 220. Introduction to Production Systems.

Course description

From: Introduction to manufacturing and production systems; provides an overview of various aspects of manufacturing systems; includes design, analysis, operation and control; a perspective for manufacturing systems related problems and the complex interactions that they entail; includes the use of Excel and VBA.

To: Introduction to manufacturing and production systems; overview of various aspects of manufacturing systems; includes using Excel and VBA in coding and evaluating models related to production systems and other industrial engineering applications.

ISEN 314. Statistical Control of Quality.

Course description

From: Quality control with statistical principles applied to problems in various production systems, including probability concepts, density and distribution functions, control chart concepts and sampling inspection plans; laboratory exercises for exposure to basic metrology and applied statistics for quality control applications in discrete-item manufacturing systems.

To: Quality control with statistical principles applied to quality problems, including statistical analysis, density and distribution functions, control chart concepts, and process capability analysis; laboratory exercises for exposure to basic metrology and applied statistics for quality control applications in discrete-item manufacturing systems; introduction to six-sigma principles including DMAIC and variance reduction strategies.

ISEN 315. Production System Planning.

Course description

From: Principles, models and techniques for planning, analysis and design of integrated production systems; optimization principles, including linear programming, unconstrained and equality constrained optimization and dynamic programming applied to production planning; topics to include capacity expansion models, learning curves, aggregate planning models, deterministic and stochastic inventory, MRP and project scheduling.

To: Principles, models, and techniques for planning, analysis, and operation of integrated production and distribution systems; application of non-linear optimization and linear, integer, and dynamic programming models and solution methods as appropriate to capacity planning, aggregate planning, inventory planning and control under deterministic and stochastic demands, push (MRP) and pull (JIT) material flow management, production lot sizing, supply chain planning, assembly line balancing, and scheduling.

ISEN 316. Production Systems Operations.

Course description

From: Analytical principles of manufacturing systems design, analysis and control; emphasis placed on stochastic analysis; role of variability and impact on cycle time; push versus pull production strategies including Kanban and constant wip control; probability, queuing theory, Little's Law, heavy traffic approximations, and queuing networks.

To: Analytical principles of manufacturing systems design, analysis and control; emphasis on stochastic analysis; role of variability and impact on cycle time; push versus pull production strategies including Kanban and constant wip control; probability, queuing theory, Little's Law, heavy traffic approximations, queuing networks, and lean engineering principles.

ISEN 414. Total Quality Engineering.

Course description

- From: Introduction to the principles of total quality engineering; total quality management philosophy, engineering approaches for designing quality into products and processes; off-line experimentation methods for the robust design; emphasis on teamwork and continuous quality improvement.
- To: Principles of total quality engineering; total quality management philosophy, engineering approaches for designing quality into products and processes; off-line experimentation methods for the robust design; emphasis on teamwork and continuous quality improvement.

Prerequisites

- From: ISEN 314.
- To: STAT 211; junior or senior classification.

ISEN 424. Systems Simulation.

Course description

- From: Systems simulation structure, logic and methodologies; generation of random numbers and deviates; system simulation languages, models and analysis; applications to industrial situations.
- To: Systems simulation structure, logic and methodologies; generation of random numbers and random variates; system simulation languages, models and analysis; applications to a variety of systems such as transportation, supply chain modeling, manufacturing and service systems.

ISEN 459. Manufacturing Systems Design.

Course title

- From: Manufacturing Systems Design.
- To: Industrial Engineering Systems Design.

Course description

- From: Capstone design course emphasizing analysis and design of manufacturing systems, cellular design, flexible manufacturing systems and manufacturing integration; integrates knowledge gained from all required industrial engineering courses in a system design project; for students in their final semester of undergraduate studies.
- To: Capstone design course emphasizing modeling, analysis and design of industrial, manufacturing, and service systems; integrates knowledge gained from all required industrial engineering courses in a comprehensive design project, to be taken in the final semester of undergraduate studies.

KNFB 322. Teaching and Schooling in the Modern Society.

Prerequisites

- From: Majors only.
- To: Majors only; junior or senior classification.

Cross-listing

From: none
To: Cross-listed with HEFB 322.

KNFB 323. Introduction to Secondary School Teaching.

Course number

From: KNFB 323.
To: KNFB 325.

Prerequisites

From: KNFB 322, admission to professional phase of the program; junior or senior classification.
To: KNFB 324, admission to professional phase of program; junior or senior classification.

Cross-listing

From: none
To: Cross-listed with HEFB 325.

LAND 240. History of Landscape Architecture.

Course description

From: An introduction to the history of land use and design from prehistory to the present in areas other than the United States; emphasis on European and Asian planning and design precedent. Africa and Australia are also discussed.
To: Introduction to history of land use, urban design and planning, and site design from prehistory to the present in Europe, Asia, Africa and Australia; contemporary issues in landscape architecture such as sustainability, ecological design, and professional roles, both historically and at present, with comparisons to American examples.

LAND 310. Landscape Theory.

Course title

From: Landscape Theory.
To: Landscape Architecture.

Course description

From: Relevant theoretical discourse in landscape architecture and urban planning; urban theory, social and cultural theory; environmental philosophy and environmental aesthetics.
To: Relevant theoretical discourse in landscape architecture, urban planning and urban design; urban theory, social and cultural theory; critical and creative thinking; ecological planning and design; design process and sustainable development; environmental philosophy and environmental aesthetics.

LAND 318. Landscape Design I.

Course description

From: Beginning studio course in land design; forces that produce usable three-dimensional site-space relationships; problems presented to give a basic knowledge of the scope of landscape architecture.

To: Beginning studio course in land design; forces that produce useable three-dimensional site-space relationships; problems presented to give a basic knowledge, scope and application of landscape architecture design principles. Overnight field trip required.

Prerequisites

From: LAND 255; junior classification.

To: LAND 255; junior or senior classification.

LAND 319. Landscape Design II.

Course description

From: Continuation of LAND 318; basic design principles that combine natural systems (such as landform, water, vegetation, wildlife habitat, soils, climate) and man-built systems (such as roads, buildings, utilities).

To: Continuation of LAND 318; basic design principles that combine natural systems (such as landform, water, vegetation, wildlife habitat, soils, climate) and human-built systems (such as roads, building utilities).

Prerequisites

From: LAND 318 and 329; junior classification.

To: LAND 318 and LAND 329; junior and senior classification.

LAND 320. Landscape Design III.

Course description

From: Design process, synthesis and design refinement; problems to stimulate highly creative self-motivated results.

To: Design process, synthesis and design refinement; problems to stimulate highly creative self-motivated results, design thinking to integrate behavioral settings into natural and/or built landscape systems.

Prerequisites

From: LAND 319 and 330.

To: LAND 319 and LAND 330; junior or senior classification.

LAND 329. Landscape Construction I.

Course description

From: Aspects of land manipulation and consideration of earth bound elements in landscape development; contours, landform, grading design, drainage principles, cut and fill computations, basic hydraulics, drafting.

- To: First construction studio course; aspects of site engineering and consideration of earth bound elements in land development; contours, landform, grading design, drainage principles, cut and fill computations, basic hydraulics and hydrology, stormwater management.

LAND 330. Landscape Construction II.

Course description

From: Various construction elements typically found in landscape development; statics and mechanics of simple structures; wood, masonry, concrete construction procedures and techniques; drafting, lettering and clarity of details. Portfolio required.

To: Second construction studio course; essential construction materials and systems applied in landscape development; topics include statics and mechanics of simple structures; properties and procedures of wood, masonry and concrete construction; construction sequencing and material costs; development of a construction document package required. Construction observation field trips required.

Prerequisites

From: LAND 318 and 329.

To: LAND 318 and LAND 329; junior or senior classification.

LAND 331. Landscape Construction III.

Course description

From: Construction document preparation, working drawings, project layout and design; theory and principles of irrigation and lighting design. Field trips and portfolio required.

To: Third construction studio course; sustainable water management techniques in landscape development; theory, principles and techniques of low impact development; construction document preparation, working drawings, project layout and design; theory and principles of irrigation and lighting design. Field trips required.

Prerequisites

From: LAND 320 and 330.

To: LAND 320 and LAND 330; junior or senior classification.

LAND 340. Development of Landscape Architecture in North America.

Course description

From: The interaction between people and the land in North America from pre-European settlement to the present; trends and settlement patterns, resource exploitation, relationships of cultural, social, technological and political factors to land use, and on the growth and current roles of the profession of landscape architecture.

To: Interaction between people and the land in North America from first settlement to the present; settlement patterns, sustainable land use, urban design and plan, and site design in context of cultural, social, and technological factors; current issues in landscape architecture, landscape urbanism, and land-use planning.

Prerequisites

From: Sophomore classification.

To: Junior and senior classification.

LAND 442. Professional Practice.

Course description

From: Introduction to the procedures, project management and ethical framework in which professional landscape architectural practice occurs including proposal preparation, fee structures, forms of practice, project management and construction documents.

To: Procedures, management and ethical frameworks in which professional landscape architectural practice occurs; topics include forms of practice, employment, proposal preparation, fee and contract structures, project management, roles of the landscape architect, presentations and public participation, legal and ethical responsibilities.

MKTG 321. Marketing.

Course description

From: Institutions, processes, and problems involved in transferring goods from producers to consumers; economic and social aspects.

To: Exploration of the activities and managerial decisions involved in the provision of products to customers; includes strategic marketing fundamentals, buyer behavior, market segmentation, managerial issues related to the marketing mix (product, pricing, distribution, and promotion) decision variables, and social and ethical issues.

MKTG 322. Consumer Behavior.

Course description

From: Individual and group behavior of consumers or industrial buyers. Application of behavioral science principles to buying situations.

To: Application of behavioral science designed to provide in-depth knowledge of the fundamental theories and concepts of consumer behavior, with an emphasis on consumers in the marketplace as individuals, as decision makers, and as influenced by culture.

MKTG 323. Marketing Research.

Course description

From: Nature and uses of marketing research in business; methods of collecting and interpreting marketing information and specific application to problems in marketing.

To: Nature and uses of marketing research in business; methods of collecting, analyzing and interpreting data needed for business decisions, with specific application to problems in marketing.

MKTG 325. Retailing Concepts and Policies.

Course description

From: Policies, methods and procedures of retail management.

To: Survey of the concepts, policies, theories, and practices for managing a retail firm in a competitive environment; topics include functions of retailers, retail customers, supply chain, legal and ethical behavior, location analysis, pricing, promotion, customer services, and layout.

MKTG 326. Strategic Planning.

Course description

From: Companies' retail strategies in a changing environment; emphasis on the retailing of services.

To: Retail strategies such as channels of distribution, private labels, customer service levels, visual presentation, pricing, and marketing mix that influence a retail business model.

MKTG 347. Advertising and Creative Marketing Communications.

Course description

From: Hands-on introduction to advertising; effective advertising planning; multi-media campaigns; emphasis on enhancing creativity, critical thinking, and communication skills.

To: Advertising and integrated marketing communications; market segmentation and targeting; development of multi-media campaigns; emphasis on enhancing creativity, critical thinking, and communication skills.

MKTG 401. Global Marketing.

Course description

From: Survey of the aspects involved in marketing products and services in the international market; tariffs, cultural restrictions, business environment and legal restrictions.

To: Survey of the aspects involved in marketing goods and services in a global marketplace; social, political, legal, and economic issues associated with conducting business globally.

MKTG 409. Principles of Marketing.

Course description

From: A survey course of the basic principles of marketing and key decision areas; product, promotion, distribution and pricing. May not be used to satisfy degree requirements for majors in business.

- To: Survey of the basic concepts and decisions associated with product, promotion, distribution, and pricing; focuses on developing marketing strategies that contribute to building long-term customer relationships and achieving the organization's objectives. May not be used to satisfy degree requirements for a major in business.

MKTG 425. Retail Merchandising.

Course description

- From: Retail theories and best merchandising practices conducive to enhancing sales and profit growth.
- To: Theories, concepts and practices relating to the merchandising of products for enhancing sales and profit growth of retail businesses; emphasis on retail math, purchasing decisions, vendor negotiations, communications skills, assortment planning and competitive analysis.

MKTG 436. Sales Management.

Course description

- From: Problems confronting sales executives; organization of sales departments, product research, selection and recruiting; compensation plans, routing, supervision and cost analysis.
- To: Ethical planning, organizing, staffing, training, motivating and evaluating salespeople.

MKTG 440. Services Marketing.

Course description

- From: Prepares students to be effective executives in a services economy; specific strategies for marketing intangible products and improving quality of service; nature and characteristics of services and the success factors in services marketing.
- To: Focuses on the unique challenges of managing a service-based business; delivering quality service to customers and building strong customer relationships; applicable to for-profit and not-for-profit organizations that depend on service excellence for competitive advantage.

MKTG 442. Product Management.

Course title

- From: Product Management.
- To: Innovation and Product Management.

Course description

- From: Innovation, planning, and development of new products and revitalization of existing products; product design, packaging and marketing testing.
- To: Opportunity identification, concept generation, concept and program evaluation, development and launch of the various types of new products; specific topics include creativity, design, launch and management of new products.

MKTG 448. Marketing Management.

Course description

- From: Marketing decision-making in case situations; integration of product, promotion, pricing and distribution strategies for purposes of determining and evaluating marketing strategies.
- To: Marketing decision-making and strategies in case situations; integration of product, pricing, distribution, and promotion considerations for the purposes of determining and evaluating the optimal marketing strategy.

MKTG 484. Marketing Internship.

Course description

- From: Professional internship in a for-profit or not-for-profit organization under the supervision of a marketing professional and direction of a Texas A&M University marketing faculty member.
- To: Directed internship of at least 300 hours of work under the supervision of a marketing professional providing students with on-the-job training that advances their career objectives; emphasis on business communication and personal professional development.

Prerequisites

- From: MKTG 321; junior or senior classification.
- To: Marketing major; MKTG 321; approval of instructor prior to internship.

NUTR 369. Experimental Nutrition & Food Science Laboratory.

Course number

- From: NUTR 369.
- To: NUTR 469.

NUTR 404. Nutrition Assessment and Planning.

Course description

- From: Methods of determining the nutritional status of individuals; dietary techniques; planning nutritional care including diet modification and/or nutrition support; nutrition counseling.
- To: Methods of determining the nutritional status of individuals; dietary techniques; planning nutritional care including diet modification and/or nutrition support; nutrition counseling.

Lecture, lab and semester credit hours

- From: (2-2). Credit 3.
- To: (3-3). Credit 4.

NUTR 405. Nutritional Treatment of Disease.

Course description

- From: Nutritional intervention in pathological conditions, based on biochemical, physiological and psychological effects of disease state; current research in clinical nutrition.

To: Nutritional intervention in pathological conditions, based on biochemical, physiological and psychological effects of disease state; current research in clinical nutrition.

Lecture, lab and semester credit hours

From: (4-2). Credit 4.

To: (3-0). Credit 3.

NUTR 415. Religious and Ethnic Foods.

Course number

From: NUTR 415.

To: NUTR 300.

NUTR 444. Nutrition Through Life.

Course number

From: NUTR 444.

To: NUTR 301.

POSC 308. Avian Anatomy and Physiology.

Prerequisites

From: BIOL 113 and BIOL 123; POSC 201; junior or senior classification or approval of instructor.

To: BIOL 111; POSC 201; junior or senior classification or approval of instructor.

POSC 429. Advanced Food Bacteriology.

Prerequisites

From: DASC 326/FSTC 326; junior or senior classification or approval of instructor.

To: DASC 326 or FSTC 326 or BIOL 351 or VTPB 405; junior or senior classification.

College of Architecture

Department of Landscape Architecture and Urban Planning

URSC course prefix change to URPN (see memorandum from Dr. Forster Ndubisi)

5. Change in Curricula

College of Agriculture and Life Sciences

Department of Biochemistry and Biophysics

B.S. in Biochemistry

B.S. in Genetics

Department of Nutrition and Food Science
B.S. in Food Science and Technology
Food Science Option
Industry Option

B.S. in Nutritional Sciences
General Nutrition Track
Didactic Program in Dietetics Track

Molecular and Experimental Track

College of Architecture

Department of Architecture
B.E.D. in Environmental Design
Architectural Studies Option

College of Geosciences

Department of Atmospheric Sciences
B.S. in Meteorology

College of Liberal Arts

Department of European and Classical Languages and Cultures
B.A. in International Studies
International Politics and Diplomacy Track
International Commerce Track
International Communication and Media Track
International Arts and Culture Track
International Environmental Studies Track

College of Science

Department of Chemistry
B.A. in Chemistry
B.S. in Chemistry

6. Texas A&M University at Galveston

a. Change in Curriculum

Texas A&M University at Galveston

Department of Maritime Administration
B.S. in Maritime Administration
Financial Management Track
Operations Management Track

b. Special Consideration

Texas A&M University at Galveston

Department of Marine Sciences
Minor in Ocean and Coastal Resources – requirement changes

Department of Maritime Administration
Minor in Maritime Administration – requirement changes

7. Special Consideration

College of Agriculture and Life Sciences

Department of Biochemistry and Biophysics
Minor in Biochemistry – requirement changes

Department of Nutrition and Food Science
B.S. in Nutritional Sciences
General Nutrition Track
Request for a Secondary Teacher Certification Track

College of Architecture

Department of Architecture
Minor in Art and Architectural History – requirement changes

Mays Business School

Department of Marketing
Request for a new Certificate in Advertising

Request for a new Certificate in Retailing

Request for a new Certificate in Sales

Dwight Look College of Engineering

University Studies Degree
Area of Concentration – Telecommunications Technology
Request to discontinue degree program

Department of Engineering Technology and Industrial Distribution
B.S. in Engineering Technology
Telecommunications Engineering Technology Option
Request to discontinue degree option

Department of Industrial and Systems Engineering
B.S. in Industrial Engineering
Request to change grade requirements

College of Science

Department of Chemistry
Minor in Chemistry – requirement changes

8. Tabled Items

- New Courses
 - BIOL 400 – needs consultation with Geography.
 - ENTC 333 – syllabus needs lab schedule and updated ADA statement.
- Change in Curriculum – *pending ENTC 333 update.*
 - Dwight Look College of Engineering
 - Department of Engineering Technology and Industrial Distribution
 - B.S. in Engineering Technology
 - Electronics Engineering Technology Option

9. Other Business