A MEMORANDUM

DATE: May 4, 2020

TO: Academic Deans Council

FROM: Dr. Dana Pomykal Franz
            UCCC Chair

RE: Change Notice 11

Listed below are curriculum change proposals which have been recommended by the University Committee Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to 5:00 p.m. on May 15, 2020 by contacting Dr. Dana Pomykal Franz (5-7117) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.

AGRICULTURE AND LIFE SCIENCES

Addition +Online/Distance	BCH 4903/6903	Approved	**BCH 4903/6903 Plant Biochemistry and Molecular Biology.** (3). Three hours lecture. A comprehensive course on biochemical and molecular processes specific for plant cells. The course includes ample information on the molecular components and pathways required for plant response to pathogens and tolerance to environmental factors. Method of Instruction: C Method of Delivery: O Campus: 5 CIP: 260308 30 Char: Plant Biochem & Molecular Bio Effective: Summer 2020
Technical Change	ENS 2103	Approved	**FROM: ENS 2103 Introduction to Environmental Science.** (3). Three hours lecture. A survey course to acquaint the beginning student with the various issues and the disciplinary contributions regarding environmental science. **TO: ENS 2103 Introduction to Environmental Science.** (3). Three hours lecture. An introductory course to acquaint the student with the various issues, interdisciplinary contributions, scientific principles, and the foundations of environmental science. Effective: Summer 2020

ARCHITECTURE, ART AND DESIGN

Technical Change	ARC 5589	Approved	**FROM: ARC 5589 Architectural Design V-B.** (3). (Prerequisite: ARC 5576). Two hours lecture. Twenty hours laboratory. Development of architectural project of complex and comprehensive nature. Emphasis upon thorough examination of all aspects of building. **TO: ARC 5589 Architectural Design V-B.** (3). (Prerequisite: ARC 5576 and ARC 5443). Two hours lecture. Twenty hours laboratory. Development of architectural project of complex and comprehensive nature. Emphasis upon thorough examination of all aspects of building. Effective: Fall 2020

ARTS & SCIENCES

+Online/Distance	CO 4803/6803	Approved	**CO 4803/6803 Approval to Offer Online Campus 5 for Research in Public Relations and Advertising.** Method of Delivery: F & O Campus: 1, 2, & 5 Effective: Summer 2020
Technical Change	PS 2713	Approved	**FROM: PS 2713 Introduction to Engineering and Public Policy.** (3). (Prerequisite: EN 1113 or equivalent). Three hours lecture. A multidisciplinary analysis of public policy issues involving engineering and technolgy [sic] and use of policy science to explore complex policy issues. (Same as GE 2713). **TO: PS 2713 Introduction to Engineering and Public Policy.** (3). (Prerequisite: EN 1113 or EN 1173, or equivalent). Three hours lecture. A multidisciplinary analysis of public policy issues involving engineering and technology and use of policy science to explore complex policy issues. (Same as GE 2713). Effective: Fall 2020

BUSINESS

+Online/Distance	MGT 3323	Approved	**MGT 3323 Approval to Offer Online Campus 5 for Entrepreneurship.** Method of Delivery: F & O Campus: 1, 2, & 5 Effective: Summer 2020
+Online/Distance	MGT 4613	Approved	**MGT 4613 Approval to Offer Online Campus 5 for Cross-Cultural Management.** Method of Delivery: F & O Campus: 1, 2, & 5 Effective: Spring 2020

EDUCATION

Technical Change +Meridian	EP 3803	**APPROVED**	**EP 3803 Approval to Offer Meridian Campus 2 for Advanced Exercise Physiology.** Campus: 1 & 2 Effective: Summer 2020
Modification	TECH 8213	**APPROVED**	**FROM: TKT 8213 Content and Methods of Teaching in Career and Technology Education.** (3). Three hours lecture. The content of various types of courses in career and technical education; instruction in appropriate techniques and methods. **TO: TECH 8213 Content and Methods of Teaching in Career and Technology Education.** (3). Three hours lecture. The content of various types of courses in career and technical education; instruction in appropriate techniques and methods. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131309 30 Char: Cont/Meth Career & Tech Effective: Fall 2020
Modification	TECH 8233	**APPROVED**	**FROM: TKT 8233 Analysis of Workforce Education Programs and Survey Research in Workforce Development.** (3). Three hours lecture. An examination of workforce development from national and international perspectives and methods and issues in workforce education survey research. **TO: TECH 8233 Analysis of Workforce Education Programs and Survey Research in Workforce Development.** (3). Three hours lecture. An examination of workforce development from national and international perspectives and methods and issues in workforce education survey research. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131309 30 Char: Analysis & Survey Research WD Effective: Fall 2020

Modification	TECH 8243	APPROVED	FROM: TKT 8243 Research Problems in Instructional Systems and Workforce. (3). Three hours lecture. The course explores issues and problems that impact instructional systems and workforce development and assesses the use of research findings for instructional decision making. TO: TECH 8243 Research Problems in Instructional Systems and Workforce. (3). Three hours lecture. The course explores issues and problems that impact instructional systems and workforce development and assesses the use of research findings for instructional decision making. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131309 30 Char: Resch Probl in ISWD Effective: Fall 2020
Modification	TECH 8263	APPROVED	FROM: TKT 8263 Philosophy and Administration of Career and Technology Education. (3). Three hours lecture. The development of competencies needed in the leadership, administration, management, and supervision of local programs in technology, and career and technical education. TO: TECH 8263 Philosophy and Administration of Career and Technology Education. (3). Three hours lecture. The development of competencies needed in the leadership, administration, management, and supervision of local programs in technology, and career and technical education. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131309 30 Char: Phil & Adm Career & Tech Ed Effective: Fall 2020

Modification	TECH 8273	APPROVED	FROM: TKT 8273 Contemporary Issues in Curriculum Planning in ISWD. (3). Three hours lecture. Assessment of the contemporary issues that impact curriculum planning in instructional systems and workforce development. TO: TECH 8273 Contemporary Issues in Curriculum Planning in ISWD. (3). Three hours lecture. Assessment of the contemporary issues that impact curriculum planning in instructional systems and workforce development. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131309 30 Char: Con Iss Cur Pla ISWD Effective: Fall 2020
Modification	TECH 8443	APPROVED	FROM: TKT 8443 Theory of Multimedia Learning. (3). Three hours lecture. This course reviews multimedia design principles that are based on empirical research studies and the cognitive theory of multimedia learning to foster effective multimedia instruction. TO: TECH 8443 Theory of Multimedia Learning. (3). Three hours lecture. This course reviews multimedia design principles that are based on empirical research studies and the cognitive theory of multimedia learning to foster effective multimedia instruction. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Theory of Multimedia Learning Effective: Fall 2020
Modification	TECH 8523	APPROVED	FROM: TKT 8523 Project Management in Instructional Design. (3). Three hours lecture. This course explores project management principles. TO: TECH 8523 Project Management in Instructional Design. (3). Three hours lecture. This course explores project management principles and methodologies used to analyze, manage, plan, and implement instructional design projects and program systems. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Project Mgt in Instr Design Effective: Fall 2020

Modification	TECH 8533	APPROVED	FROM: TKT 8533 Evaluation and Assessment in Instructional Systems & Technology. (3). Three hours lecture. Focus on the effective course/program evaluation and assessment methods, theories, and applications in instructional systems and technology. TO: TECH 8533 Evaluation and Assessment in Instructional Systems & Technology. (3). Three hours lecture. Focus on the effective course/program evaluation and assessment methods, theories, and applications in instructional systems and technology. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Evaluation & Assess Instr Tech Effective: Fall 2020
Modification	TECH 8543	APPROVED	FROM: TKT 8543 Multimedia Design I. (3). Three hours lecture. This course focuses on major principles and guidelines for creating instructional graphics and provides hands-on skills in graphic design. TO: TECH 8543 Multimedia Design I. (3). Three hours lecture. This course focuses on major principles and guidelines for creating instructional graphics and provides hands-on skills in graphic design. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Multimedia Design I Effective: Fall 2020
Modification	TECH 8623	APPROVED	FROM: TKT 8623 Instructional Design I. (3). Three hours lecture. The analysis, design, development, implementation, and evaluation of instruction for organizations. TO: TECH 8623 Instructional Design I. (3). Three hours lecture. The analysis, design, development, implementation, and evaluation of instruction for organizations. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Instructional Design I Effective: Fall 2020

Modification	TECH 8643	APPROVED	FROM: TKT 8643 Multimedia Design II. (3). (Prerequisite: TKT 8543). Three hours lecture. This course focuses on the concepts, issues, and practices for creating effective instructional videos and provides hands-on skills in digital video production. TO: TECH 8643 Multimedia Design II. (3). (Prerequisite: TECH 8543 or TKT 8543). Three hours lecture. This course focuses on the concepts, issues, and practices for creating effective instructional videos and provides hands-on skills in digital video production. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Multimedia Design II Effective: Fall 2020
Modification	TECH 8693	APPROVED	FROM: TKT 8693 Multiple Perspectives on Instructional Systems and Technology. (3). Three hours lecture. This course surveys major theoretical perspectives of instructional design, and examines related research and applications in a variety of instructional design settings. TO: TECH 8693 Multiple Perspectives on Instructional Systems and Technology. (3). Three hours lecture. This course surveys major theoretical perspectives of instructional design and examines related research and applications in a variety of instructional design settings. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Multiple Perptves on Inst Sys Effective: Fall 2020

Modification	TECH 8703	APPROVED	FROM: TKT 8703 Trends and Issues in Instructional Systems. (3). Three hours lecture. Focuses on the trends, issues, theories, and applications of instructional systems. It introduces the areas of instructional design, multimedia, distance education, and human performance technologies. TO: TECH 8703 Trends and Issues in Instructional Systems. (3). Three hours lecture. Focuses on the trends, issues, theories, and applications of instructional systems. It introduces the areas of instructional design, multimedia, distance education, and human performance technologies. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 130501 30 Char: Trends & Issues Instr Systems Effective: Fall 2020
Modification	TECH 8713	APPROVED	FROM: TKT 8713 Research in Instructional Systems & Workforce Development. (3). Two hours lecture. Two hours laboratory. This course deals with the research process as related to Instruction Systems and Workforce Development (ISWD) from idea formulation through data analysis and interpretation. TO: TECH 8713 Research in Instructional Systems & Workforce Development. (3). Two hours lecture. Two hours laboratory. This course deals with the research process as related to Instruction Systems and Workforce Development (ISWD) from idea formulation through data analysis and interpretation. Method of Instruction: B, C, K Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 150613 30 Char: Research in ISWD Effective: Fall 2020

Modification	TECH 8723	APPROVED	FROM: TKT 8723 Instructional Design II. (3). (Prerequisite: TKT 8623). Three hours lecture. Advanced application of instructional design for organizations. TO: TECH 8723 Instructional Design II. (3). (Prerequisite: TECH 8623 or TKT 8623). Three hours lecture. Advanced application of instructional design for organizations. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 150613 30 Char: Instructional Design II Effective: Fall 2020
Modification	TECH 8743	APPROVED	FROM: TKT 8743 Interactive Media. (3). (Prerequisite: TKT 8643). Two hours lecture. Two hours laboratory. This course will provide experiences in investigating, designing, developing and integrating a variety of interactive instructional media. TO: TECH 8743 Interactive Media. (3). (Prerequisite: TECH 8643 or TKT 8643). Two hours lecture. Two hours laboratory. This course will provide experiences in investigating, designing, developing and integrating a variety of interactive instructional multimedia. Method of Instruction: B, C, & K Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 110301 30 Char: Interactive Media Effective: Fall 2020
Modification	TECH 8753	APPROVED	FROM: TKT 8753 Technology Issues for School Administrators. (3). Three hours lecture. Investigates the trends and issues in instructional systems that impact school administrators. TO: TECH 8753 Technology Issues for School Administrators. (3). Three hours lecture. Investigates the trends and issues in instructional systems that impact school administrators. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 130401 30 Char: Tech Issues School Admin Effective: Fall 2020

Modification	TECH 8773	APPROVED	**FROM: TKT 8773 Teaching and Training with Multimedia.** (3). Three hours lecture. The process of developing instructional and training materials including adapting existing materials to fit specific objectivies [sic] and methods in a multimedia learning environment. **TO: TECH 8773 Teaching and Training with Multimedia.** (3). Three hours lecture. The process of developing instructional and training materials including adapting existing materials to fit specific objectives and methods in a multimedia learning environment. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 110301 30 Char: Teach & Train with Media Effective: Fall 2020
Modification	TECH 8793	APPROVED	**FROM: TKT 8793 Directed Project and Portfolio Development.** (3). Three hours lecture. The course focuses on the development and presentation of a project and a portfolio based on the student's program area of concentration. Evaluation by jury. **TO: TECH 8793 Directed Project and Portfolio Development.** (3). Three hours lecture. The course focuses on the development and presentation of a project and a portfolio based on the student's program area of concentration. Evaluation by jury. Method of Instruction: E Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 110301 30 Char: Directed Pro & Portfolio Dev Effective: Fall 2020

Modification	TECH 8813	**APPROVED**	**FROM: TKT 8813 Foundations of Distance Education.** (3). Three hour [sic] lecture. This course investigates foundation of distance education and trends and issues such as administration, design, development, implementation, instructional challenges, and evaluation in distance education. **TO: TECH 8813 Foundations of Distance Education.** (3). Three hours lecture. This course investigates foundation of distance education and trends and issues such as administration, design, development, implementation, instructional challenges, and evaluation in distance education. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131321 30 Char: Foundations of Distance Ed Effective: Fall 2020
Modification	TECH 8823	**APPROVED**	**FROM: TKT 8823 Design, Delivery, & Management of Distance Education.** (3). Three hour [sic] lecture. This course focuses on major theories and practices related to the design, delivery and management of distance education programs. **TO: TECH 8823 Design, Delivery, & Management of Distance Education.** (3). Three hours lecture. This course focuses on major theories and practices related to the design, delivery and management of distance education programs. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Des Deliv Mgt of Dist Ed Effective: Fall 2020

Modification	TECH 8843	APPROVED	FROM: TKT 8843 Foundations of Instructional Systems and Technology. (3). Three hours lecture. An examination of the foundation and philosophical knowledge for instructional systems and design models including evaluation of instructional design processes. TO: TECH 8843 Foundations of Instructional Systems and Technology. (3). Three hours lecture. An examination of the foundation and philosophical knowledge for instructional systems and design models including evaluation of instructional design processes. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Found Instr Sys Tech Effective: Fall 2020
Modification	TECH 8853	APPROVED	FROM: TKT 8853 Learning Technologies in Distance Education. (3). Three hours lecture. This course investigates theoretical concepts of online learning. With this understanding, students will then experience creating a practical e-learning module using an e-learning authoring system. TO: TECH 8853 Learning Technologies in Distance Education. (3). (Prerequisite: TECH 8823 or TKT 8823). Three hours lecture. This course investigates theoretical concepts of online learning. With this understanding, students will then experience creating a practical e-learning module using an e-learning authoring system. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 130501 30 Char: Learning Tech in Distance Ed Effective: Fall 2020

Modification	TECH 8863	APPROVED	FROM: TKT 8863 Grant Writing Essentials. (3). Three hours lecture. An introduction to the basic skills, principles, and techniques of successful grant writing. TO: TECH 8863 Grant Writing Essentials. (3). Three hours lecture. An introduction to the basic skills, principles, and techniques of successful grant writing. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 131309 30 Char: Grant Writing Essentials Effective: Fall 2020
Modification	TECH 9213	APPROVED	FROM: TKT 9213 Foundations, Trends and Issues in Workforce Development, Technology and Leadership Education. (3). Three hours lecture. This course examines the foundations of education with a focus on workforce education programs, technology education programs and adult learning theories. TO: TECH 9213 Foundations, Trends and Issues in Workforce Development, Technology and Leadership Education. (3). Three hours lecture. This course examines the foundations of education with a focus on workforce education programs, technology education programs and adult learning theories. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, & 5 CIP: 131309 30 Char: Found WF/Tech Ed Adu Theories Effective: Fall 2020
Modification	TECH 9913	APPROVED	FROM: TKT 9913 Dissertation Seminar. (3). Three hours seminar. Designed to assist student complete dissertation research successfully. May be taken in lieu of TKT 9000 Dissertation Research up to six hours. TO: TECH 9913 Dissertation Seminar. (3). Three hours seminar. Designed to assist students to successfully complete dissertation research using an activity-based approach. TECH 9913 may be taken in lieu of TECH 9000 or TKT 9000 Dissertation Research up to six hours. Method of Instruction: S Method of Delivery: F & O Campus: 1 & 5 CIP: 131309 30 Char: Dissertation Seminar Repeatable: Up to six hours Effective: Fall 2020

ENGINEERING

Modification +Online/Distance	ASE 3123	Approved	**FROM: ASE 3123 Aircraft Attitude Dynamics.** **TO: ASE 3123 Aircraft Flight Dynamics.** Method of Delivery: F & O Campus: 1, 2, 5, & 6 30 Char: Aircraft Flight Dynamics Effective: Fall 2020
Technical Change	CSE 4153/6153	Approved	**FROM: CSE 4153/6153 Data Communications and Computer Networks.** (3). (Prerequisites: Grade of C or better in CSE 1384 or ECE 3732, and ECE 3724). Three hours lecture. The concept and practices of data communications and networking to provide the student with an understanding of the hardware and software used for data communications. (Same as ECE 4833/6833). **TO: CSE 4153/6153 Data Communications and Computer Networks.** (3). (Prerequisites: Grade of C or better in CSE 3723 or ECE 3724). Three hours lecture. The concepts and practices of data communications and networking to provide the student with an understanding of the hardware. Effective: Fall 2020
Technical Change	CSE 4163/6163	Approved	**FROM: CSE 4163/6163 Designing Parallel Algorithms.** (3). (Prerequisites: Grade of C or better in CSE 3324 or CSE 4733/6733). Three hours lecture. Techniques for designing algorithms to take advantage efficiently of different parallel architectures. Includes techniques for parallelizing sequential algorithms and techniques for matching algorithms to architectures. **TO: CSE 4163/6163 Designing Parallel Algorithms.** (3). (Prerequisites: Grade of C or better in CSE 3183). Three hours lecture. Techniques for designing algorithms to take advantage efficiently of different parallel architectures. Includes techniques for parallelizing sequential algorithms and techniques for matching algorithms to architectures. Effective: Fall 2020

Technical Change	CSE 4243/6243	Approved	**FROM: CSE 4243/6243 Information and Computer Security.** (3). (Prerequisite: Credit or registration in CSE 4733/6733). Three hours lecture. Topics include encryption systems, network security, electronic commerce, systems threats, and risk avoidance procedures. **TO: CSE 4243/6243 Information and Computer Security.** (3). (Prerequisite: Credit in CSE 3183). Three hours lecture. Topics include encryption systems, network security, electronic commerce, systems threats, and risk avoidance procedures. Effective: Fall 2020
Technical Change	CSE 4253/6253	Approved	**FROM: CSE 4253/6253 Secure Software Engineering.** (3). (Prerequisite CSE 3324 with a grade of C or better). Three hours lecture. Principles, techniques, and practices involved in building security into software systems including security requirements analysis, secure design, secure coding and security testing, verification and risk management. Topics include analysis and security assessment of legacy software. **TO: CSE 4253/6253 Secure Software Engineering.** (3). (Prerequisite: CSE 2213 and CSE 2383 both with a grade of C or better). Three hours lecture Principles, techniques, and practices involved in building security into software systems including security requirements analysis, secure design, secure coding and security testing, verification and risk. Effective: Fall 2020
Technical Change	CSE 4363/6363	Approved	**FROM: CSE 4363/6363 Software Reverse Engineering.** (3). (Prerequisite: CSE 4733/6733). Three hours lecture. Software specification recovery and malicious software analysis. Tools and techniques for analyzing compiled program and communication in the absence of documentation. **TO: CSE 4363/6363 Software Reverse Engineering.** (3). (Prerequisite: Grade of C or better in CSE 3183). Three hours lecture. Software specification recovery and malicious software analysis. Tools and techniques for analyzing compiled programs and communications in the absence of documentation. Effective: Fall 2020

Technical Change	CSE 4453/6453	Approved	**FROM: CSE 4453/6453 Game Design.** (3). (Prerequisites: All majors: junior standing, Design-oriented majors: courses in digital art and/or sound design. CSE/SE/CPE majors: CSE 3324 or equivalent with a grade of C or better). Three hours lecture. Principles of computer game design: Game mechanics, structure, narrative, character/environment/level design. **TO: CSE 4453/6453 Game Design.** (3). (Prerequisites: All majors: junior standing, Design-oriented majors: courses in digital art and/or sound design, CSE/SE/CPE majors: CSE 2213 and CSE 2383 with a grade of C or better). Three hours lecture. Principles of computer game design: Game mechanics, structure, narrative, character/environment/level design. Effective: Fall 2020
Technical Change	CSE 4733/6733	Approved	**FROM: CSE 4733/6733 Operating Systems I.** (3). (Prerequisites: Grade of C or better in CSE 2383 and ECE 3724) Three hours lecture. Historical development of operating systems to control complex computing systems; process management, communication, scheduling techniques; file systems concepts and operation; data communication, distributed process management. **TO: CSE 4733/6733 Operating Systems I.** (3). (Prerequisites: Grade of C or better in CSE 3723 and CSE 3183). Three hours lecture. Historical development of operating systems to control complex computing systems; process management, communication, scheduling techniques; file systems concepts and operation; data communication, distributed process management. Effective: Fall 2020

Technical Change	GE 2713	Approved	**FROM: GE 2713 Introduction to Engineering and Public Policy.** (3). (Prerequisite: EN 1113 or equivalent). Three hours lecture. A multidisciplinary analysis of public policy issues involving engineering and technology and the use of policy science to explore complex policy issues. (Same as PS 2713). **TO: GE 2713 Introduction to Engineering and Public Policy.** (3). (Prerequisite: EN 1113 or EN 1173, or equivalent). Three hours lecture. A multidisciplinary analysis of public policy issues involving engineering and technology and the use of policy science to explore complex policy issues. (Same as PS 2713). Effective: Fall 2020

FOREST RESOURCES

Deletion	SBP 3143	Approved	**SBP 3143 Biomass Characteristics and Production.** Effective: Fall 2020
Deletion	SBP 4144/6144	Approved	**SBP 4144/6144 Biocomposite Application and Manufacturing.** Effective: Fall 2020
Technical Change	SBP 6263 (split level with SBP 4263)	Approved	**FROM: SBP 4263/6263 Furniture Design and Fabrication.** (3). (Prerequisite: SBP 3113 or consent of instructor). Two hours lecture. Three hours laboratory. Basic theories and principles of furniture strength design and manufacturing; mechanical properties of environmentally preferable materials; green and sustainable design of certifications; testing standards. Machines used, function and operation. Advanced manufacturing and quality control methods. **TO: SBP 4263/6263 Furniture Design and Fabrication.** (3). (Prerequisite: SBP 3133 or consent of instructor). Two hours lecture. Three hours laboratory. Basic theories and principles of furniture strength design and manufacturing; mechanical properties of environmentally preferable materials; green and sustainable design of certifications; testing standards. Machines used, function and operation. Advanced manufacturing and quality control methods. Effective: Fall 2020

VETERINARY SCIENCE

Modification	CVM 5842	Approved	FROM: **CVM 5844 Clinical Pharmacology.** (4). Four hours lecture. Use of pharmacologic agents in the treatment of disease syndromes. Emphasis will be placed on therapeutic alternatives for the treatment of specific diseases or syndromes. **TO: CVM 5842 Clinical Pharmacology.** (2). Two hours lecture. Use of pharmacologic agents in the treatment of disease syndromes. Emphasis will be placed on therapeutic alternatives for the treatment of specific diseases or syndromes. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 512401 30 Char: Clinical Pharm Effective: Summer 2020

2. Program Proposals by college/school:

ACADEMIC AFFAIRS

Addition	**Degree:** Certificate **Major:** Geospatial and Remote Sensing	**Approved**	Approved by Graduate Council. Effective: Summer 2020

AGRICULTURE AND LIFE SCIENCES

Technical Change	**Degree:** Minor **Major:** Environmental Science	**Approved**	Moves ENS Minor and ENS courses from Academic Affairs to CALS. Effective: Summer 2020
Modification	**Degree:** BS **Major:** Human Development and Family Science **Concentration:** Child Development	**Approved**	See proposal for list of revisions. Effective: Fall 2020

EDUCATION

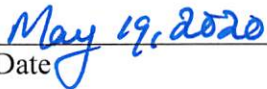| Modification	**Degree:** PhD **Major:** Instructional Systems and Workforce Development	**Approved**	Forwarded to Graduate Council.
+Online/Distance	**Degree:** PhD **Major:** Instructional Systems and Workforce Development	**Approved**	Forwarded to Graduate Council.

ENGINEERING

+Online/Distance	**Degree:** PhD **Major:** Engineering **Concentration:** Chemical Engineering	**Approved**	Addition of distance education. Approved by Graduate Council. Effective: Fall 2020
Name Change	**Degree:** MS **Major:** Industrial Engineering **to** Industrial and Systems Engineering **Concentrations:** Human Factors and Ergonomics; Industrial Systems; Operations Research; Management Systems Engineering; Manufacturing Systems	**Approved**	Change of degree program name. Approved by Graduate Council. To be forwarded to IHL.

All of the proposals were approved with the exception of the following:
Proposals**

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Dr. Peter L. Ryan
Associate Provost for Academic Affairs

May 19, 2020
Date