



A MEMORANDUM

DATE: August 7, 2020

TO: Academic Deans Council

FROM: Dr. Dana Pomykal Franz
UCCC Chair

RE: Change Notice 15

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 **August 20, 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.

1. Course Proposals by college/school

AGRICULTURE AND LIFE SCIENCES

+Online/Distance	<u>EPP 2213</u>	Passed Contingent	EPP 2213 Introduction to Insects
Addition +Online/Distance	<u>FNH 8713</u>	Approved	FNH 8713 Applied Public Health Practicum. (3). (Prerequisites: Master of Public Health core courses and permission of practicum director). Three hours Applied Health Practicum. A field-based experience for application of key concepts in public health necessary for success as a public health professional. Method of Instruction: E Method of Delivery: F & O Campus: 1 & 5 CIP: 512201 30 Char: Applied Public Health Prac Grade Mode: Pass/Fail Effective: Fall 2020
Addition +Online/Distance	<u>FNH 8723</u>	Approved	FNH 8723 Integrative Experience. (3). (Prerequisites: Completion of all core Master of Public Health courses AND permission of primary advisor). Three hours practicum. Provide an opportunity to integrate the knowledge and competencies from all Master of Public Health coursework. Method of Instruction: E Method of Delivery: F & O Campus: 1 & 5 CIP: 512201 30 Char: Integrative Experience Grade Mode: Pass/Fail Effective: Fall 2020
Addition +Online/Distance	<u>FNH 8733</u>	Approved	FNH 8733 Policy in Public Health and Health Care Systems. (3). Three hours lecture. A comprehensive review of health care institutions today and their response to the economic, social/ethical, political/legal, technological, and ecological environments. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 512210 30 Char: Policy in Pub Hlth & Care Sys Effective: Fall 2020

<p>Addition +Online/Distance</p> <p><u>FNH 8743</u></p>	<p>Approved</p>	<p>FNH 8743 Nutrition Policy. (3). Three hours lecture. This course provides and overview of food and nutrition policy concepts and examines interactions among stakeholders affect policy design and implementation. This course will explore historical and contemporary food and nutrition policy issues. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 512210 30 Char: Nutrition Policy Effective: Fall 2020</p>
<p>Addition +Online/Distance</p> <p><u>FNH 8753</u></p>	<p>Approved</p>	<p>FNH 8753 Nutritional Epidemiology. (3). (Prerequisite: FNH 8563 Epidemiology and Health Science Research). Three hours lecture. An introduction to key concepts in epidemiology necessary to design, analyze, interpret, and critically evaluate population-based research in nutrition. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 512210 30 Char: Nutritional Epidemiology Effective: Fall 2020</p>

ARTS & SCIENCES

Addition	<u>CH 4221</u>	Passed Contingent	CH 4221 Theoretical and Practical X-ray Course Applied in Single X-Ray and Powder Diffraction.
Addition	<u>CH 4331</u>	Passed Contingent	CH 4331 Practical Mass Spectrometry.
Addition	<u>CH 4341</u>	Passed Contingent	CH 4341 Practical Materials Characterization.
Technical Change	<u>CH 4413/6413</u>	Approved	FROM: CH 4413/6413 Thermodynamics and Kinetics. (3). (Prerequisites: PH 2213 or PH 1113, MA 1723, grade of C or better in CH 1223). Three hours lecture. A study of the quantitative and theoretical properties of matter. Topics include chemical thermodynamics and kinetics, and solutions. TO: CH 4413/6413 Thermodynamics and Kinetics. (3). (Prerequisites: PH 2213 or PH 1113, MA 1723, grade of C or better in CH 1223 or CH 1244). Three hours lecture. A study of the quantitative and theoretical properties of matter. Topics include chemical thermodynamics and kinetics, and solutions. Effective: Fall 2020
Technical Change	<u>CH 4423/6423</u>	Approved	FROM: CH 4423/6423 Quantum Mechanics and Spectroscopy. (3). (Prerequisites: PH 2213 or PH 1113, MA 1723, grade of C or better in CH 1223). Three hours lecture. Topics include solid state, surface chemistry, macromolecules, quantum mechanics, spectroscopy, and statistical thermodynamics. TO: CH 4423/6423 Quantum Mechanics and Spectroscopy. (3). (Prerequisites: PH 2213 or PH 1113, MA 1723, grade of C or better in CH 1223 or CH 1244). Three hours lecture. Topics include solid state, surface chemistry, macromolecules, quantum mechanics, spectroscopy, and statistical thermodynamics. Effective: Fall 2020
Addition	<u>CH 4461/6461</u>	Passed Contingent	CH 4461/6461 Practical Optical Spectroscopy.
Addition	<u>CH 4471/6471</u>	Passed Contingent	CH 4471/6471 Practical Vibrational Spectroscopy.
Addition	<u>CH 4531</u>	Passed Contingent	CH 4531 Practical Nuclear Magnetic Resonance Spectroscopy 1.

Addition	<u>CH 4541</u>	Passed Contingent	CH 4541 Practical Nuclear Magnetic Resonance Spectroscopy 2.
Addition	<u>CH 8323</u>	Approved	CH 8323 Mass Spectrometry. (3). (Prerequisite: Graduate standing or permission of the instructor). This course is an introduction to the instrumentation, fundamental principles, and experimental methods associated with mass spectrometry. Furthermore, the course will serve as a survey of applications of mass spectrometry to various fields of chemical research. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 400502 30 Char: Mass Spectrometry Effective: Fall 2020
Addition	<u>CH 8523</u>	Approved	CH 8523 Modern Organic Reactions and Mechanisms. (3). (Prerequisite: Eight credits in undergraduate organic chemistry). Three hours lecture. A study of the modern synthetic methodology and tactics with a short introduction to basic disconnection strategies, named reactions, and arrow-pushing mechanisms related to organic chemistry. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 400501 30 Char: Mod Org Reaction Mech Effective: Fall 2020
Addition	<u>CH 8543</u>	Approved	CH 8543 Organic Spectroscopy. (3). (Prerequisite: Eight credits in undergraduate organic chemistry). Three hours lecture. A study of various spectroscopic and spectrometric methods used to elucidate structure of organic compounds. Both theory and applications of these techniques will be discussed. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 400501 30 Char: Organic Spectroscopy Effective: Fall 2020
Addition +Online/Distance	<u>FL 4423/6423</u>	Passed Contingent	FL 4423/6423 Greek History.
Addition +Online/Distance	<u>FL 4433/6433</u>	Passed Contingent	FL 4433/6433 Roman History.

Addition +Online/Distance	<u>FLL 4123/6123</u>	Passed Contingent	FLL 4123/6123 Cicero.
Addition +Online/Distance	<u>FLL 4143/6143</u>	Passed Contingent	FLL 4143/6143 Latin Epistolography.
Addition +Online/Distance	<u>FLL 4263/6263</u>	Passed Contingent	FLL 4263/6263 Latin Epigram.
Addition	<u>GR 3011</u>	Approved	GR 3011 Weather Analysis. (1). (Prerequisite: GR 1604). Two hours laboratory. Introduction to advanced meteorological analysis concepts including upper air map analysis, sounding analysis, numerical weather prediction, and basic synoptic meteorology analysis concepts. Method of Instruction: L Method of Delivery: F Campus: 1 CIP: 400401 30 Char: Weather Analysis Effective: Fall 2020
Addition +Online/Distance	<u>GR 4693/6693</u>	Approved	GR 4693/6693 Physical Meteorology and Climatology II. (3). (Prerequisite: MA 1713, GR 4643 or consent of instructor). Three hours lecture. An investigation into important physical meteorology concepts, including introductory atmospheric thermodynamics, the planetary boundary layer, and cloud and moisture physics with an emphasis on meteorological theory and applications. Method of Instruction: C Method of Delivery: F & O Campus: 1 & 5 CIP: 400404 30 Char: Phy Climo and Meteor II Effective: Fall 2020
Addition	<u>HI 4453</u>	Passed Contingent	HI 4453 Greek History.
Addition	<u>HI 4463</u>	Passed Contingent	HI 4463 Roman History.

<p>Technical Change <u>MA 1323</u></p>	<p>Approved</p>	<p>FROM: MA 1323 Trigonometry. (3). (Students with credit in MA 1713 will not receive credit for this course; Prerequisite: ACT Math subscore 24 (or higher for some sections), or grade of C or better in MA 1313). Three hours lecture. The trigonometric functions: identities; trigonometric equations; applications.</p> <p>TO: MA 1323 Trigonometry. (3). (Students with credit in MA 1713 will not receive credit for this course; Prerequisite: ACT Math subscore 24 (or higher for some sections), or grade of C or better in MA 1103 or MA 1313). Three hours lecture. The trigonometric functions: identities; trigonometric equations; applications.</p> <p>Effective: Fall 2020</p>
<p>Technical Change <u>MA 1613</u></p>	<p>Approved</p>	<p>FROM: MA 1613 Calculus for Business and Life Sciences I. (3). (Prerequisite: ACT Math subscore 24, or grade of C or better in MA 1313). Three hours lecture. Algebraic and some transcendental functions, solutions of systems of linear equations, limits, continuity, derivatives, applications.</p> <p>TO: MA 1613 Calculus for Business and Life Sciences I. (3). (Prerequisite: ACT Math subscore 24, or grade of C or better in MA 1103 or MA 1313). Three hours lecture. Algebraic and some transcendental functions, solutions of systems of linear equations, limits, continuity, derivatives, applications.</p> <p>Effective: Fall 2020</p>

BUSINESS

<p>Technical Change <u>ACC 8043</u></p>	<p>Approved</p>	<p>FROM: ACC 8043 Fraud Examination and Data Analysis. (3). Three hours lecture. Students will gain an in-depth knowledge of the nature of fraud, fraud examination, and the communication of the findings from a fraud examination. Emphasis will be placed on the use of advanced data analysis techniques and procedures to detect errors and frauds. TO: ACC 8043 Fraud Examination and Data Analysis. (3). (Prerequisites: Graduate standing and permission of the ASAC Director). Three hours lecture. Students will gain knowledge of the nature of fraud, fraud examination, and the communication of the findings from a fraud examination. Emphasis will be placed on the use of advanced data analysis techniques. Effective: Fall 2020</p>
<p>Technical Change <u>MGT 4153</u></p>	<p>Approved</p>	<p>FROM: MGT 4153 Management Seminar. (3). (Prerequisite: Senior standing). Presents for analysis, discussion, and solution case-problems of actual situations met in day-to-day operation of business enterprise which require managerial action. TO: MGT 4153 Management Seminar. (3). (Prerequisite: Senior standing). Three hours lecture. Presents for analysis, discussion, and solution case-problems of actual situations met in day-to-day operation of large, small, entrepreneurial, and family businesses which require managerial action. Effective: Fall 2020</p>
<p>Technical Change <u>MGT 4533</u></p>	<p>Approved</p>	<p>FROM: MGT 4533 Advanced Human Resource Management. (3). (Prerequisite: MGT 3513 or consent of instructor). Three hours lecture. Study of problems in the field of human resource management emphasizing development of the ability to analyze problems and to apply management fundamentals to human resource. TO: MGT 4533 Advanced Human Resource Management. (3). (Prerequisite: MGT 3513 or consent of instructor). Three hours lecture. Study of problems in the field of human resource management in large, small, entrepreneurial, and family businesses, emphasizing development of the ability to analyze problems and to apply management fundamentals to human resource management. Effective: Fall 2020</p>

Technical Change <u>MGT 4543</u>	Approved	FROM: MGT 4543 Compensation Management. (3). (Prerequisite: MGT 3513). Three hours lecture. Compensation fundamentals, practices, and problems, including wage level determinants, wage & salary structures, merit rating, methods of wage payments, fringe benefits, & controls. TO: MGT 4543 Compensation Management. (3). (Prerequisite: MGT 3513). Three hours lecture. Compensation fundamentals, practices, and problems in large, small, entrepreneurial, and family businesses, including wage level determinants, wage and salary structures, merit rating, methods of wage payments, fringe benefits, and controls. Effective: Fall 2020
Technical Change <u>MGT 4863</u>	Approved	FROM: MGT 4863 International Strategic Management. (3). (Prerequisite: Graduating senior in International Business academic program). Three hours lecture. Administrative process in international business. Emphasis on integrating knowledge acquired in functional areas of business and current events in formulating international competitive policies. TO: MGT 4863 International Strategic Management. (3). (Prerequisite: Graduating senior in International Business academic program). Three hours lecture. Administrative process in large, small, entrepreneurial, and family businesses that compete internationally. Emphasis on integrating knowledge acquired in functional areas of business and current events in formulating international competitive policies. Effective: Fall 2020

EDUCATION

Technical Change <u>EDX 6103</u> +Meridian (split level with EDX 4103)	Approved	EDX 6103 Approval to Offer Meridian Campus 2 for Introduction to Teaching Students with Intellectual and Development Disabilities. (EDX 4103 already has Campus 2 designation). Campus: 1 & 2 Effective: Fall 2020
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ENGINEERING

Addition	<u>ABE 3773</u>	Passed Contingent	ABE 3773 Current Topics in Biomedical Engineering.
+Online/Distance	<u>CHE 8011</u>	Approved	CHE 8011 Approval to Offer Online/Campus 5 for Chemical Engineering Seminar. Method of Delivery: F & O Campus: 1, 2, 5, & 6 Effective: Fall 2020
Addition +Online/Distance +Gulf Coast +Meridian	<u>CSE 3713</u>	Approved	CSE 3713 Introduction to Cybersecurity. (3). (Prerequisites: CSE 1284, CSE 1233, or equivalent). Three hours lecture. A student who received credit in CSE 4253, CSE 4243, CSE 4363, CSE 4173, or CSE 4383 may not receive credit for this class. Basic security concepts and analysis. Cryptography basics. Computer and network attacks and defense techniques. Method of Instruction: C Method of Delivery: F & O Campus: 1, 2, 5 & 6 CIP: 111003 30 Char: Introduction to Cybersecurity Effective: Fall 2020
Technical Change	<u>ECE 1013</u>	Approved	FROM: ECE 1013 Introduction to ECE Design I. (3). (Prerequisite: Credit or registration in MA 1713). Two hours lecture. Two hours laboratory. Introduction to the profession, college, department, and program. Survey of ECE technical knowledge and tools crucial in early ECE courses. Introduction to engineering design, teaming, and technical communication. TO: ECE 1013 Introduction to ECE Design I. (3). (Prerequisite: Credit or registration in CSE 1284). Two hours lecture. Two hours laboratory. Introduction to the profession, college, department, and program. Survey of ECE technical knowledge and tools crucial in early ECE courses. Introduction to engineering design, teaming, and technical communication. Effective: Fall 2020
Modification	<u>IE 4543/6543</u>	Passed Contingent	IE 4543/6543 Logistics Engineering.
Modification	<u>IE 4733/6733</u>	Passed Contingent	IE 4733/6733 Linear Programming.

FOREST RESOURCES

<p>+Online/Distance <u>SBP 6023</u> (split level with SBP 4023)</p>	<p>Approved</p>	<p>SBP 4023/6023 Approval to Offer Online Campus 5 for Lignocellulosic Biomass Chemistry. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2020</p>
<p>Modification <u>SBP 6123</u> +Online/Distance (split level with SBP 4123)</p>	<p>Approved</p>	<p>FROM: SBP 4123/6123 Lumber Manufacturing. (3). Two hours lecture. Three hours laboratory. Raw materials, production methods and product specifications for sawn wood products. Machinery and plant layout. Operation, control, and analysis of lumber manufacturing systems; markets. The laboratory is used for problems, discussion, demonstration, tests, field trips, and writing assignments. TO: SBP 4123/6123 Lumber Manufacturing. (3). Two hours lecture. Three hours laboratory. Raw materials, production methods and product specifications for sawn wood products. Machinery and plant layout. Operation, control, and analysis of lumber manufacturing systems; markets. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2020</p>
<p>Modification <u>SBP 4443</u> +Online/Distance</p>	<p>Approved</p>	<p>FROM: SBP 4443 Capstone Sustainable Bioproducts. (3). (Prerequisite:Senior [sic] standing or consent of instructor). Integration of knowledge from courses and current issues involving team projects that explore manufacturing problems or product design, emphasizing LCA, social /global perspectives, and problem solving . [sic] TO: SBP 4443 Capstone Sustainable Bioproducts. (3). (Prerequisites: Senior standing or consent of instructor). Integration of knowledge from courses and current issues involving team projects that explore manufacturing problems or product design, emphasizing LCA, social /global perspectives, and problem solving. Method of Delivery: F & O Campus: 1 & 5 Effective: Fall 2020</p>

<p>Addition +Online/Distance</p>	<p><u>SBP 8023</u></p>	<p>Approved</p> <p>SBP 8023 Professional Practices in Wood Products Industry. (3). (Consent of instructor). Three hours lecture. Discussion and practice of workplace skills related to performance of duties in the wood products industry sector. Method of Instruction: C Method of Delivery: O Campus: 5 CIP: 030506 30 Char: Prof Practice in Wood Prod Ind Effective: Fall 2020</p>
<p>Addition +Online/Distance</p>	<p><u>SBP 8203</u></p>	<p>Approved</p> <p>SBP 8203 Graduate Capstone. (3). (Prerequisite: SBP 8023 or consent of instructor). Seminar. Integration and application of knowledge from previous coursework in sustainable bioproducts for the creation of an original project proposal. Emphasis on professional oral and written expression, logical organization of thought, literature review, data presentation, budget writing, and peer evaluation. Method of Instruction: S Method of Delivery: O Campus: 5 CIP: 030506 30 Char: Graduate Capstone Effective: Fall 2020</p>

VETERINARY SCIENCE

Modification	<u>CVM 4214</u>	Approved	<p>FROM: CVM 4213 Small Animal Surgery & Anesthesia Clinical Experience. (4). (Prerequisite: Admission to the senior year of the Veterinary Medical Technology Program). Three hour [sic] practicum. Students will manage surgical/anesthetic cases at MSU-CVM. Students participate in surgical preparation, OR operations, induce/monitor anesthesia, pre/post-op and all technical aspects of patient care.</p> <p>TO: CVM 4214 Small Animal Surgery & Anesthesia Clinical Experience. (4). (Prerequisite: Admission into the Senior year of the Veterinary Medical Technology Program). Four hours practicum. Students will manage anesthetic cases at MSU-CVM. The practicum includes all technical aspects of patient care including but not limited to OR preparations, induction and monitoring anesthesia, pre/post-operative care.</p> <p>Method of Instruction: H Method of Delivery: F Campus: 1 CIP: 510808 30 Char: Sm Anim Surg & Anes Clin Exp Effective: Fall 2020</p>
Modification	<u>CVM 5021</u>	Passed Contingent	<p>FROM: CVM 5021 Professional Development II.</p>

2. Program Proposals by college/school:

AGRICULTURE AND LIFE SCIENCES

Addition	<p>Degree: MPH Major: Public Health Campus 1 & 5</p>	Approved	<p>Addition of program. Forwarded to Graduate Council.</p>
Technical Change	<p>Degree: BS Major: Human Development and Family Science Concentrations: Child Development, Child Life, Family and Consumer Sciences Teacher Education, Family Science, Youth Development,</p>	Approved	<p>Correction of free electives and concentration hours.</p> <p>Effective: Fall 2020</p>

ENGINEERING

Modification	Degree: MS Major: Computer Science (Thesis & Non-Thesis)	Approved	See proposal for list of revisions. Campus 1 and Campus 5. Forwarded to Graduate Council.
Modification	Degree: PhD Major: Computer Science	Approved	See proposal for list of revisions. Campus 1. Forwarded to Graduate Council.
Modification	Degree: MS Major: Industrial Engineering	Approved	See proposal for list of revisions. Forwarded to Graduate Council.
Modification	Degree: PhD Major: Industrial and Systems Engineering	Approved	See proposal for list of revisions. Forwarded to Graduate Council.


FOREST RESOURCES

Modification	Degree: MS Major: Sustainable Bioproducts (Thesis)	Approved	See proposal for list of revisions. Forwarded to Graduate Council.
Modification +Online/Distance	Degree: MS Major: Sustainable Bioproducts (Non-thesis)	Approved	See proposal for list of revisions. Forwarded to Graduate Council.

VETERINARY SCIENCE

Modification	Degree: BS Major: Veterinary Medical Technology	Approved	See proposal for list of revisions. Effective: Fall 2020
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All of the proposals were approved with the exception of the following:
Proposals**



Dr. Peter L. Ryan
Executive Vice Provost for Academic Affairs

8-20-2020
Date