COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Request to change the requirements for the Master of Science degree in Food Science in the Department of Food Science and Human Nutrition. The University Committee on Graduate Studies will consider this request at its September 20, 2021 meeting.

   a. Under the heading Requirements for the Master of Science Degree in Food Science make the following changes:

      (1) Change the total credits required for the degree from ‘32’ to ‘30’.

      (2) Replace items 1. through 3. with the following:

         Students must:
         1. Complete 16 credits at the 800-level or above. Two courses (6 credits) must be FSC courses excluding FSC 890, 892, 898, and 899.
         2. Complete a minimum of 7 credits (Plan A) or 12 credits (Plan B) of focused course work in consultation with the major advisor and guidance committee.
         3. Complete 1 credit of FSC 892 Food Science Seminar, in which students will present one seminar. Students may re-enroll in FSC 892 for a maximum of 2 credits towards the master’s degree.

      (3) Under Additional Requirements for Plan A replace item 1. with the following:

         1. Complete 6 credits in FSC 899 Master’s Thesis Research. Students may not earn more than 10 credits in FSC 899.

      (4) Under Additional Requirements for Plan B replace item 1. with the following:

         1. Complete 1 credit of FSC 898 Master’s Research. Students may not earn more than 5 credits in FSC 898.

   Effective Spring 2022.

2. Request to change the requirements for the Minor in Agronomy in the Department of Plant, Soil and Microbial Sciences.

   a. Under the heading Minor in Agronomy make the following changes:

      (1) Change the total credits required for the minor to ‘a minimum of 16 credits’.

      (2) Delete items 2., 3., and 4. and replace with the following:

         2. Complete 6 credits from following courses:

            CSS 135 Crop Scouting and Investigation  3
            CSS 151 Seed and Grain Quality         2
            CSS 201 Forage Crops                  3
            CSS 212 Advanced Crop Production      2
            CSS 222 New Horizons in Biotechnology 2
            CSS 251 Organic Farming Principles and Practices  3
            CSS 326 Weed Science                  2
            And
            CSS 226L Weed Science Laboratory      1
            CSS 330 Soil Chemistry                2
            CSS 340 Applied Soil Physics          2
Effective Spring 2022.

3. Request to change the name of the Graduate Specialization in Ecological Food and Farming Systems to Sustainable Agriculture and Food Systems in the Department of Plant, Soil and Microbial Sciences. The University Committee on Graduate Studies (UCGS) will consider this request at its September 20, 2021 meeting.

Students admitted to the major prior to Spring 2022 will be awarded a Graduate Specialization in Ecological Food and Farming Systems.

Students admitted to the major Spring 2022 and forward will be awarded a Graduate Specialization in Sustainable Agriculture and Food Systems.

Effective Spring 2022.

4. Request to change the requirements for the Graduate Specialization in Sustainable Agriculture and Food Systems in the Department of Plant, Soil and Microbial Sciences. The University Committee on Graduate Studies (UCGS) will consider this request at its September 20, 2021 meeting.

a. Under the heading Graduate Specialization in Sustainable Agriculture and Food Systems replace the entire entry with the following:

The student must complete 9 credits from the following:

1. Both of the following courses (3 credits):
   CSS 824 Sustainable Agriculture and Farming Systems Field Practicum 2
   CSS 826 Sustainable Agriculture and Farming Systems Capstone Seminar 1

2. One of the following courses (3 credits):
   CSS 424 Sustainable Agriculture and Food Systems: Integration and Synthesis 3
   CSS 431 International Agricultural Systems 3
   CSS 442 Agricultural Ecology 3
   CSS 893 Special Topics 3
   ENT 479 Organic Pest Management (W) 3
   ENT 848 Biological Control of Insects and Weeds 3
   HRT 486 Biotechnology in Agriculture: Applications and Ethical Issues 3

3. One of the following courses (3 credits):
   AFRE 400 Public Policy Issues in the Agri-Food System 3
   AFRE 861 Agriculture in Economic Development 3
   CSUS 463 Food Fight: Politics of Food 3
   CSUS 811 Community, Food and Agriculture: A Survey 3
   CSUS 838 Participatory Modes of Inquiry 3
   CSUS 848 Community Based Natural Resource Management in International Development 3
   CSUS 855 Political Ecology of Food 3
   CSUS 858 Gender Justice and Environmental Change: Issues and Concepts 3
   GEO 410 Geography of Food and Agriculture 3
   HNF 406 Global Foods and Culture 3

Effective Spring 2022.
5. Request to change the requirements for the Minor in Turfgrass Management in the Department of Plant, Soil and Microbial Sciences.

a. Under the heading Requirements for the Minor in Turfgrass Management make the following changes:

(1) In item 2., under Management of Turfgrass Pests delete the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 288</td>
<td>Principles of Weed Management</td>
<td>3</td>
</tr>
<tr>
<td>ENT 364</td>
<td>Turfgrass Entomology</td>
<td>3</td>
</tr>
</tbody>
</table>

Add the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSS 326</td>
<td>Weed Science</td>
<td>2</td>
</tr>
<tr>
<td>CSS 226L</td>
<td>Weed Science Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ENT 264</td>
<td>Turfgrass Entomology</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Spring 2022.

COLLEGE OF NATURAL SCIENCE

1. Request to change the requirements for the Bachelor of Science degree in Data Science in the Department of Computational Mathematics, Science, and Engineering.

a. Under the heading Requirements for the Bachelor of Science Degree in Data Science make the following changes:

(1) Replace item 3. b. with the following:

b. One course from each of the following groups (8 to 10 credits):

(1) LB 173 Studio Physics for Scientists and Engineers I 5
    LB 273 Physics I 4
    PHY 183 Physics for Scientists and Engineers I 4

(2) LB 174 Studio Physics for Scientists and Engineers II 5
    LB 274 Physics II 4
    PHY 184 Physics for Scientists and Engineers II 4

(2) In item 3. f. add the following course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 404</td>
<td>Introduction to Machine Learning</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective Spring 2022.
## PART II - NEW COURSES AND CHANGES

**COLLEGE OF AGRICULTURE AND NATURAL RESOURCES**

### FOR 810  Forestry Field Techniques
- **Summer of every year. Huron-Manistee National Forest 2(0-4) R:** Open to graduate students in the Department of Forestry.
- **NEW** Introduction to professional forestry field techniques, including tree biology, forest ecology, soil science, silviculture, forest inventory and forest management in a variety of forest ecosystems across Michigan. Field trips required. Offered second half of semester.
- **Effective Summer 2021**

### FOR 812  Forest Measurements and Inventory
- **Fall of every year. 2(1-2) P:** FOR 810 R: Open to graduate students in the Department of Forestry.
- **NEW** Land measurement, units of timber measure, estimating volume of standing trees, sampling methods for forest inventory, integrating remotely-sensed and ground-based inventory. Offered first half of semester.
- **Effective Fall 2021**

### FOR 814  Tree Biology
- **Fall of every year. 2(1-2) P:** FOR 810 R: Open to graduate students in the Department of Forestry.
- **NEW** Systematics and identification of trees; ecophysiology of tree growth, allocation and water relations; reproductive biology of trees including, sexual and asexual reproductive strategies. Offered first half of semester.
- **Effective Fall 2021**

### FOR 816  Forest Ecosystem Processes
- **Fall of every year. 2(1-2) P:** FOR 812 and FOR 814 R: Open to graduate students in the Department of Forestry.
- **NEW** Climate, physiography and soils; disturbance regimes; stand dynamics and succession; element cycling within forest ecosystems and between forest ecosystems and the atmosphere. Offered second half of semester.
- **Effective Fall 2021**

### FOR 818  Advanced Silviculture
- **Fall of every year. 2(1-2) P:** FOR 812 and FOR 814 and (FOR 816 or concurrently) R: Open to graduate students in the Department of Forestry.
- **NEW** Application of prescriptions to manage the composition, growth and health of forest stands, including techniques for establishment, thinning, timber stand improvement, and regeneration. Offered second half of semester.
- **Effective Fall 2021**

### CSS 824  Sustainable Agriculture and Farming Systems Field Practicum
- **Fall of every year. 2(0-4) Interdepartmental with Entomology. RB:** Some knowledge of food systems either at the level of production, processing, storage or resale from either a natural or social science background R: Open to graduate students in the Ecological Food and Farming Systems specialization or approval of department.
- **NEW** Economic, environmental and social considerations in sustainable food systems. Field visits to farm and food system operations in Michigan Offered first half of semester. Field trips required.
- **Effective Spring 2021**
CSS 826  Sustainable Agriculture and Farming Systems Capstone Seminar  
Spring of every year. 1(1-0) Interdepartmental with Entomology. P: CSS 824 RB: Knowledge of food systems either at the level of production, processing, storage or resale from either a natural or social science background and sufficient research experience in this area to develop a lecture/discussion topic based on the student’s primary research/scholarly area R: Open to graduate students in the Ecological Food and Farming Systems specialization or approval of department.

NEW  
Interdisciplinary exploration of food system research and scholarship using a sustainability framework  
Effective Spring 2021

CSS 892B  Ecological Food and Farming Systems Seminar  
Fall of every year. Spring of every year. 1 credit. Interdepartmental with Community, Ag, Recreation & Res Studies.  
Experiential learning, and multidisciplinary and applied research, in ecological food and farming systems.  
DELETE COURSE  
Effective Spring 2021

COLLEGE OF ENGINEERING

CE 803  Structural Dynamics  
Smart Materials and Structures  
Fall of every year. Spring of even years. 3(3-0) RB: CE 407 and CE 804 Not open to students with credit in ME 461. C: CE 802 concurrently.  
Dynamic analysis of beam, frame and truss structures. Classical and finite element formulations. Model analysis and numerical integration techniques. Response to earthquakes. Computing response using a finite element program. This course will introduce the rapid growing research field of smart materials and structures to graduate students and focus on the characteristics of different types of smart materials, including piezoelectric materials, shape-memory alloys and polymers, fiber-optics, self-healing concrete, laminated composites, among others. Based on the fundamental understanding of the smart material properties and constitutive behavior, the students will be able to apply the knowledge learned in this course and provide innovative solutions to specific engineering problems.  
Effective Fall 2003 Effective Fall 2021

CE 814  Soil Dynamics and Geotechnical Earthquake Engineering  
Fall of odd years. 3(3-0)  
NEW  
Effective Fall 2021

CE 835  Engineering Management of Pavement Networks  
Spring of even years. 3(3-0)  
REINSTATEMENT  
Effective Spring 2022
ECE 489 Independent Senior Design
Fall of every year. Spring of every year. Summer of every year. 4(4-0) P: (((ECE 303 and ECE 313 and ECE 320 and ECE 331 and ECE 366 and (ECE 390 or concurrently)) or approval of department) and completion of Tier I writing requirement) or (CSE 410 or approval of department) and (ECE 390 or concurrently) or (approval of department) or CSE 325) and (ECE 390 or concurrently) or (approval of department) and completion of Tier I writing requirement) or CSE 325) and (ECE 390 or concurrently) 
R: Open to seniors in the Department of Electrical and Computer Engineering.
Individual design project with software and hardware components.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2018 Effective Spring 2022

EGR 193 Introduction to Experiential Education
Fall of every year. Spring of every year. Summer of every year. 1(1-0) A student may earn a maximum of 4 credits in all enrollments for this course. 
R: Students must have participated in a paid, supervised engineering experience. 
R: Any engineering student who has not yet participated in EGR 391, 392, 393, 493, or 494. Exceptions at the discretion of the instruction team. 
R: Open to freshmen in the College of Engineering. Approval of department. 
R: Open to undergraduate students in the College of Engineering. Approval of department.
A reflection on previous career-related work experiences and exploration of future career opportunities. A Career exploration course designed to address a variety of student career development levels and interests.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2020 Effective Spring 2022

COLLEGE OF HUMAN MEDICINE

EM 540 Emergency Medicine for Preclinical Students
Fall of every year. Spring of every year. Summer of every year. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. 
R: Open to students in the College of Human Medicine or in the College of Osteopathic Medicine.
A precepting experience in the principles of emergency care in the hospital.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
SA: HM 540
DELETE COURSE
Effective Fall 2021

EM 630 Emergency Medicine Clerkship
Fall of every year. Spring of every year. Summer of every year. 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. 
P: {(FM 608 or MED 608 or PHD 600 or SUR 608) and (FM 608 or MED 608 or PHD 600 or SUR 608)} or HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Clinical diagnosis and treatment of the undifferentiated patient in the emergency department setting.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
SA: HM 630
DELETE COURSE
Effective Fall 2021
EM 631  Clinical Experience in Emergency Medicine
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: (HM 556) or (EM 608 and MED 608 and PHD 600 and PSC 608 and OCR 608 and SUR 608) P: HM 556 R: Open to graduate-professional students in the College of Human Medicine.
Clinical diagnosis of the undifferentiated patient in the emergency department setting.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2020 Effective Fall 2021

EM 632  Senior Clinical Elective in Emergency Medicine
Fall of every year. Spring of every year. Summer of every year. 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: ((FM 641 or MED 641 or PHD 641 or PSC 641 or OCR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OCR 641 or SUR 641)) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OCR 641 or SUR 641) P: (FM 641 or MED 641 or PHD 641 or PSC 641 or OCR 641 or SUR 641) and (FM 641 or MED 641 or PHD 641 or PSC 641 or OCR 641 or SUR 641) R: Open to graduate-professional students in the College of Human Medicine.
Four-week elective in clinical diagnosis and treatment of the undifferentiated patient in the emergency department setting. Intended for students planning to apply to an Emergency Medicine Residency.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.
Effective Summer 2019 Effective Fall 2021

SUR 634  Neurosurgery Sub-Internship
Fall of every year. Spring of every year. Summer of every year. 6(6-0) A student may earn a maximum of 12 credits in all enrollments for this course. P: SUR 641 and SUR 642 R: Open to graduate-professional students in the College of Human Medicine.
NEW
Advanced clinical experience to improve skills and knowledge in the neurosurgical discipline.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Spring 2021

COLLEGE OF NATURAL SCIENCE

BMB 200  Introduction to Biochemistry
Fall of every year. Summer of every year. 4(4-0) P: CEM 143 or CEM 251 or CEM 351 P: CEM 143 or CEM 251 or CEM 351 or LB 271 RB: CEM 252 or CEM 352
Introductions to the major classes of biomolecules and the metabolism of these molecules.
SA: BCH 200
Effective Spring 2021 Effective Fall 2021
CEM 141  General Chemistry
Fall of every year. Spring of every year. Summer of every year. 4(4-0) P: (MTH 103B or concurrently) or (MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 152H or concurrently) or LB 118) or designated score on Mathematics Placement test P: (MTH 103B or concurrently) or (MTH 103 or concurrently) or (MTH 110 or concurrently) or (MTH 116 or concurrently) or (MTH 124 or concurrently) or (MTH 132 or concurrently) or (MTH 152H or concurrently) or LB 118) or designated score on Mathematics Placement test Not open to students with credit in CEM 181H or CEM 151 or LB 171.
Elements and compounds; reactions; stoichiometry; thermochemistry; atomic structure; chemical bonding; states of matter; solutions; acids and bases; aqueous equilibria.
Effective Spring 2020 Effective Fall 2020

MTH 103  College Algebra
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: (MTH 1825) or designated score on Mathematics Placement test P: Designated score on Mathematics Placement test Not open to students with credit in MTH 116 or MTH 103B.
Number systems; functions and relations; exponents and logarithms; elementary theory of equations; inequalities; and systems of equations.
SA: LBS 117
Effective Summer 2019 Effective Fall 2020

MTH 116  College Algebra and Trigonometry
Fall of every year. Spring of every year. Summer of every year. 5(5-0) P: (MTH 1825) or designated score on Mathematics Placement test P: Designated score on Mathematics Placement test Not open to students with credit in MTH 103.
SA: LBS 117
Effective Fall 2013 Effective Fall 2020

MMG 301  Introductory Microbiology
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: (BS 161 or LB 145 or BS 181H) and ((CEM 251 or concurrently) or (CEM 351 or concurrently)) or (CEM 143 or concurrently) or (CEM 251 or concurrently) or (CEM 351 or concurrently) or (CEM 143 or concurrently) or (LB 271 or concurrently))
Fundamentals of microbiology, including microbial structure and function, nutrition and growth, death and control. Importance and applications of major microbial groups.
SA: MIC 301
Effective Spring 2014 Effective Fall 2021

MMG 365  Medical Microbiology
Spring of every year. 3(3-0) Interdepartmental with Biomedical Laboratory Diagnostics. P: (BS 161 and CEM 141) and (MMG 201 or MMG 304) P: (BS 161 or LB 145) and (MMG 201 or MMG 301) and (CEM 141 or LB 171) Not open to students with credit in MMG 463.
Laboratory diagnosis, disease and epidemiology of the most common bacterial, viral, fungal and parasitic pathogens and concepts in infectious disease control, prevention and treatment.
Effective Spring 2018 Effective Fall 2021
MMG 408  Advanced Microbiology Laboratory (W)
Fall of every year. 3(1-6) P: (MMG 302 and (MMG 431 or concurrently)) and completion of Tier I writing requirement R: Open to students in the Department of Microbiology and Molecular Genetics or in the Genetics Major or in the Environmental Biology/Microbiology Major or in the Microbiology Major. R: Open to students in the Environmental Biology/Microbiology Major or in the Genomics and Molecular Genetics Major or in the Microbiology Major or in the Lyman Briggs Environmental/Biology/Microbiology Coordinate Major or in the Lyman Briggs Genomics and Molecular Genetics Coordinate Major or in the Lyman Briggs Microbiology Coordinate Major. Microbiological techniques and procedures to study physiology and genetics of bacteria and bacteriophages. Collection and critical assessment of quantitative data and written communication of results.
SA: MPH 408  Effective Spring 2014 Effective Fall 2019

MMG 425  Microbial Ecology
Fall of every year, Spring of every year. 3(3-0) Interdepartmental with Crop and Soil Sciences. RB: MMG 301 Microbial population and community interactions. Microbial activities in natural systems, including associations with plants or animals.
SA: MPH 425  Effective Spring 2014 Effective Fall 2019

MMG 531  Medical Immunology
Fall of every year. 2(2-0) R: Open to graduate-professional students in the College of Osteopathic Medicine. Basic principles of immunology. Overview of concepts and terminology in relation to human disease defenses. Request the use of the Pass-No Grade (P-N) system.  Effective Fall 2013 Effective Fall 2018

PLB 415  Plant Physiology
Spring of every year. 3(3-0) P: (CEM 143 or CEM 351 or CEM 251) and (BS 161 or LB 145 or BS 181H) P: (CEM 143 or CEM 251 or CEM 351 or LB 271) and (BS 161 or LB 145 or BS 181H) Principles of plant metabolism, growth, and development. Photosynthesis, water relations, nitrogen metabolism, and cell wall biosynthesis. Environmental and hormonal factors that control plant growth and development. Gene regulation and genetic engineering of plants.
SA: PLB 414  Effective Fall 2014 Effective Spring 2022

PLB 416L  Plant Physiology Laboratory
Spring of every year. 2(1-3) P: (CEM 143 or CEM 351 or CEM 251) and (BS 161 or LB 145 or BS 181H) and (PLB 415 or concurrently) and (BS 171 or BS 191H or LB 145 or approval of department) P: (CEM 143 or CEM 351 or CEM 251 or LB 271) and (BS 161 or LB 145 or BS 181H) and (PLB 415 or concurrently) and (BS 171 or BS 191H or LB 145 or approval of department) Experimental methods and experiment design in plant physiology and molecular biology, with emphasis in photosynthesis, water relations, plant growth, plant development, genetics and gene regulation. Communication of scientific information in written and graphical format. Effective Spring 2024 Effective Spring 2022
COLLEGE OF NURSING

NUR 936  Clinical Nurse Specialist Specialty Role Immersion I
Fall of every year. 3(0-9) P: NUR 935  R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Clinical application of the essential knowledge, skills, and values associated with the student-selected specialized practice role of the Clinical Nurse Specialist.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018 Effective Fall 2021

NUR 937  Clinical Nurse Specialist Specialty Role Immersion II
Spring of every year. 3(0-9) P: NUR 936 R: Open to doctoral students in the College of Nursing or in the Nursing Practice Major.
Continuation of NUR 936. Capstone.
Request the use of the Pass-No Grade (P-N) system.
Effective Fall 2018 Effective Spring 2022

COLLEGE OF OSTEOPATHIC MEDICINE

OST 558  Pediatrics III
Fall of every year. 1(1-0) R: Open to graduate students in the College of Osteopathic Medicine.
Normal structure, function, and pathologies of the behavioral, cardiovascular, hematopoietic and respiratory systems as they relate to the pediatric population. Ethical considerations in pediatrics. Normal structure, function, and pathologies of the behavioral, cardiovascular, and hematopoietic systems as they relate to the pediatric population.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 3 semesters after the end of the semester of enrollment.
Effective Fall 2020 Effective Fall 2021

OST 559  Pediatrics IV
Spring of every year. 1(1-0) R: Open to graduate students in the College of Osteopathic Medicine.
NEW Normal structure, function, and pathologies of the respiratory system as it relates to the pediatric population. Approach to pediatric fever, congenital infections, the acutely ill child, and ethical considerations in pediatrics.
Request the use of the Pass-No Grade (P-N) system.
Effective Spring 2022

OST 622  Addiction Medicine
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate students in the College of Osteopathic Medicine. Approval of college.
NEW Introduces students to the fundamentals of Addiction Medicine. The course aims to increase knowledge, basics of diagnosis, medical care, and awareness of substance use disorders and of persons with substance use disorders and substance-related health conditions. Included is overviews of the pharmacology and subsequent changes in neurobiology for multiple substances that are frequently misused, as well as symptoms of intoxication and withdrawal from these substances. Overview of medication for opioid use disorders, safer medication prescribing and prevention and treatment.
Request the use of the Pass-No Grade (P-N) system.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Fall 2021
OST 623  Board Preparation  
Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the College of Osteopathic Medicine. Approval of college. 
NEW  This virtual rotation is designed to allow time for independent study prior to COMLEX Level 2-CE board exam.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2021  

OST 624  Essentials of Diabetes  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to graduate students in the College of Osteopathic Medicine. Approval of college.  
NEW  This virtual clerkship elective rotation that focuses on increasing the knowledge of the care of patients with all types of diabetes. This rotation will explore the pathophysiology, epidemiology, clinical research and treatment of diabetes.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
Effective Fall 2021