

College of Engineering, Forestry and Natural Sciences

Curriculum and Assessment Committee Agenda

May 1, 2018

I. Minutes from previous meeting – [March 27, 2018 Minutes](#)

II. Action Items

			<u>Effective Date</u>	<u>Summary of Changes</u>
<u>BIOLOGICAL SCIENCES</u>				
1.	BIO 503 BIO 503	3 ELEMENTS OF SCIENTIFIC ENDEAVOR	Fall 2019	New Course
2.	BIO 504 BIO 504	3 PAN-BIOLOGY	Fall 2019	New Course
3.	Biology; M.S. Biology; M.S. Biology; M.S. Curriculum Map		Fall 2019	Major Reqmts-Course(s) Added, Major Reqmts-Course(s) Deleted
4.	Biology; Ph.D. Biology; Ph.D. Biology; Ph.D. Curriculum Map		Fall 2019	Major Reqmts-Course(s) Added, Major Reqmts-Course(s) Deleted
5.	BIO 555 BIO 555 Support: SCI 555	3 PHILOSOPHY OF BIOLOGY	Fall 2019	Cross-list, New Course
6.	BIO 326 BIO 326	3 ECOLOGY	Fall 2018	Coreqs, Number, Other, Prereqs
7.	BIO 326H BIO 326H	3 ECOLOGY - HONORS	Fall 2018	Coreqs, Number, Other, Prereqs
8.	BIO 326L BIO 326L Support: FAST TRACK Informatics; B.S.	1 ECOLOGY LAB	Fall 2018	Coreqs, Number, Other, Prereqs
9.	BIO 326LH BIO 326LH Support: FAST TRACK Informatics; B.S.	1 ECOLOGY LAB - HONORS	Fall 2018	Coreqs, Number, Other, Prereqs
10.	BIO 365W BIO 365W	3 SCIENTIFIC MANUSCRIPT PREPARATION	Fall 2018	Catalog Descr, Course Title, Prereqs

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| 11. Biology; B.S.
Biology; B.S.
Biology; B.S. Curriculum Map
Support: FAST TRACK NTS 256 | Fall 2018 | Major Reqmts-Course(s) Added |
| 12. Biology-Secondary Education; B.S.Ed.
Biology-Secondary Education; B.S.Ed.
Biology-Secondary Education; B.S.Ed. Curriculum Map | Fall 2018 | Major Reqmts-Course(s) Added |
| 13. Biomedical Science; B.S.
Biomedical Science; B.S.
Biomedical Science; B.S. Curriculum Map
Support: FAST TRACK NTS 256 | Fall 2018 | Major Reqmts-Course(s) Added |
| 14. Microbiology; B.S.
Microbiology; B.S.
Microbiology; B.S. Curriculum Map | Fall 2018 | Major Reqmts-Course(s) Added |
| 15. General Science-Secondary Education; B.S.Ed.
General Science-Secondary Education; B.S.Ed.
General Science-Secondary Education; B.S.Ed. Curriculum Map | Fall 2018 | Major Reqmts-Course(s) Added,
Major Reqmts-Course(s) Deleted |

PHYSICS & ASTRONOMY

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| 16. AST 555
AST 555 3 PLANETARY APPLICATIONS OF REMOTE SENSING | Fall 2019 | New Course |
| 17. AST 598
AST 598 1 PLANETARY ANALOGS FIELD COURSE | Fall 2019 | New Course |
| 18. AST 590
AST 590 3 PHYSICS OF THE SOLAR SYSTEM | Fall 2019 | Catalog Descr, Course Title, Number |
| 19. AST 595
AST 595 3 FORMATION, EVOLUTION, AND HABITABILITY OF PLANETARY SYSTEMS | Fall 2019 | Catalog Descr, Course Title, Number,
Prereqs |
| 20. Astronomy and Planetary Science; Ph.D.
Astronomy and Planetary Science; Ph.D.
Astronomy and Planetary Science; Ph.D. Curriculum Map | Fall 2019 | Major Reqmts-Course(s) Added,
Major Reqmts-Course(s) Deleted |

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| 21. PHY 472
PHY 472 3 QUANTUM MECHANICS II | Fall 2019 | New Course |
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SESES

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| 22. ENV 460
ENV 460 3 EVOLUTION AND ENVIRONMENTAL CHANGE
Support: ENV 560 | Fall 2019 | Co-convene, New Course |
| 23. ENV 560
ENV 560 3 EVOLUTION AND ENVIRONMENTAL CHANGE
Support: ENV 460 | Fall 2019 | Co-convene, New Course |

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| <p>24. ENV 562
 ENV 562 3 SOCIAL ECOLOGICAL SYSTEMS
 Support: GSP 562</p> | <p>Fall 2019</p> | <p>Cross-list, New Course</p> |
| <p>25. Earth Sciences and Environmental Sustainability; Ph.D.
 Earth Sciences and Environmental Sustainability; Ph.D.
 Ecology, Evolution and Conservation Biology Emphasis
 Environment and Society Emphasis
 Climate and Environmental Change Emphasis
 Earth and Planetary Systems Emphasis
 Engineering Sustainable Systems Emphasis
 Earth Sciences and Environmental Sustainability; Ph.D. Curriculum Map</p> | <p>Fall 2019</p> | <p>Name Change, New Subplan,
 Subplan Reqmts-Course(s) Added,
 Text within Plan</p> |
| <p>26. Environmental and Sustainability Studies; B.A.
 Environmental and Sustainability Studies; B.A.
 Global Sustainability Emphasis
 Southwest Environments and Biocultural Diversity Emphasis
 Environmental and Sustainability Studies; B.A. Curriculum Map</p> | <p>Fall 2019</p> | <p>Major Reqmts-Course(s) Added,
 Major Reqmts-Course(s) Deleted,
 Major Reqmts-Unit Change, Subplan
 Reqmts-Course(s) Deleted</p> |
| <p>27. Environmental and Sustainability Studies; B.S.
 Environmental and Sustainability Studies; B.S.
 Global Sustainability Emphasis
 Southwest Environments and Biocultural Diversity Emphasis
 Environmental and Sustainability Studies; B.S. Curriculum Map</p> | <p>Fall 2019</p> | <p>Major Reqmts-Course(s) Added,
 Major Reqmts-Course(s) Deleted,
 Major Reqmts-Unit Change, Subplan
 Reqmts-Course(s) Deleted</p> |
| <p>28. Environmental Sciences; B.S.
 Environmental Sciences; B.S.
 Environmental Geology Emphasis
 Environmental Sciences; B.S. Curriculum Map</p> | <p>Fall 2019</p> | <p>Subplan Reqmts-Course(s) Added,
 Subplan Reqmts-Course(s) Deleted,
 Subplan Reqmts-Unit Change</p> |
| <p>29. GLG 340
 GLG 340 1 INTERMEDIATE GEOLOGIC FIELD METHODS</p> | <p>Fall 2019</p> | <p>Catalog Descr, Coreqs, Units</p> |
| <p>30. Geology; B.S.
 Geology; B.S.
 Geology; B.S. Curriculum Map</p> | <p>Fall 2019</p> | <p>Major Reqmts-Course(s) Added,
 Major Reqmts-Course(s) Deleted</p> |

MECHANICAL ENGINEERING

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| <p>31. ME 358
 ME 358 3 SYSTEM DYNAMICS
 Support: ME 423 ME 523</p> | <p>Fall 2019</p> | <p>New Course</p> |
| <p>32. ME 386W
 ME 386W 3 ENGINEERING DESIGN: THE METHODS</p> | <p>Fall 2019</p> | <p>Add LibStud, New Course</p> |
| <p>33. Mechanical Engineering; B.S.
 Mechanical Engineering; B.S.
 Mechanical Engineering; B.S. Curriculum Map</p> | <p>Fall 2019</p> | <p>Major Reqmts-Course(s) Added, Text
 within Plan</p> |

CECMEE

34. [CENE 151L](#) Fall 2019 New Course
CENE 151L 1 APPLIED VECTOR MATH FOR ENGINEERS
Support: [FAST TRACK CENE 251](#)

CSTL / MATHEMATICS & STATISTICS

35. [SCI 555](#) Fall 2019 Cross-list, New Course
SCI 555 3 PHILOSOPHY OF BIOLOGY
Support: [BIO 555](#)
36. [SCI 640](#) Fall 2019 New Course
SCI 640 3 SURVEY OF RESEARCH IN SCIENCE EDUCATION
37. [TSM 620](#) Fall 2019 New Course
TSM 620 3 RESEARCH ON TEACHING AND TEACHER EDUCATION
38. [TSM 621](#) Fall 2019 New Course
TSM 621 3 LEARNING THEORIES IN MATHEMATICS AND SCIENCE EDUCATION
39. [TSM 622](#) Fall 2019 New Course
TSM 622 3 EQUITY ISSUES IN STEM EDUCATION
40. [TSM 623](#) Fall 2019 New Course
TSM 623 3 CURRICULUM AND EVALUATION
41. [TSM 630](#) Fall 2019 New Course
TSM 630 3 INTRODUCTION TO RESEARCH METHODS
42. [TSM 632](#) Fall 2019 New Course
TSM 632 3 QUANTITATIVE RESEARCH METHODOLOGY
43. [TSM 631](#) Fall 2019 New Course
TSM 631 3 QUALITATIVE RESEARCH METHODOLOGY
44. [MAT 602](#) Fall 2019 Catalog Descr, Course Title, Prereqs
MAT 602 3 RESEARCH IN MATHEMATICS EDUCATION
45. [Science Education; Ph.D.](#) Fall 2019 New Plan
Science Education; Ph.D.
[Science Education; Ph.D. Curriculum Map](#)
Support: [Science Education; Ph.D.-Teaching & Learning Support](#)
46. [Mathematics Education; Ph.D.](#) Fall 2019 New Plan
Mathematics Education; Ph.D.
[Mathematics Education; Ph.D. Curriculum Map](#)
Support: [Mathematics Education; Ph.D.-Teaching & Learning Support](#)

III. Consent Items

	<u>Effective Date</u>	<u>Summary of Changes</u>
1. Courses Not Taught 5+years Courses Not Taught 5+years	Fall 2018	Course Deletions
2. 2018 Test Score Changes 2018 Test Score Changes	Fall 2018	Test Score Changes

IV. Fast Track Agenda

	<u>Effective Date</u>	<u>Summary of Changes</u>
1. CENE 251 CENE 251 3 APPLIED MECHANICS STATICS	Fall 2019	Prereqs
2. ME 240 ME 240 3 MATERIALS SCIENCE	Fall 2019	Prereqs
3. ME 240H ME 240H 3 MATERIALS SCIENCE - HONORS	Fall 2019	Prereqs
4. ME 252 ME 252 3 APPLIED MECHANICS DYNAMICS	Fall 2019	Prereqs
5. ME 291 ME 291 3 THERMODYNAMICS I	Fall 2019	Prereqs
6. ME 365 ME 365 3 MACHINE DESIGN I	Fall 2019	Prereqs
7. ME 392 ME 392 3 THERMODYNAMICS II	Fall 2019	Prereqs
8. ME 395 ME 395 3 FLUID MECHANICS I	Fall 2019	Prereqs
9. ME 423 ME 423 3 AERO-SYSTEMS DYNAMICS	Fall 2019	Coreqs, Course Title, Prereqs
10. ME 450 ME 450 3 HEAT TRANSFER	Fall 2019	Prereqs
11. ME 451 ME 451 3 RENEWABLE ENERGY	Fall 2019	Coreqs, Prereqs
12. ME 467L ME 467L 1 MANUFACTURING PROCESSES LABORATORY	Fall 2019	Coreqs, Prereqs
13. ME 476C ME 476C 3 MECHANICAL ENGINEERING DESIGN I	Fall 2019	Prereqs
14. ME 495 ME 495 3 EXPERIMENTAL METHODS IN THE THERMAL SCIENCES	Fall 2019	Prereqs
15. ME 523 ME 523 3 AERO-SYSTEMS DYNAMICS	Fall 2019	Coreqs, Course Title, Prereqs
16. PHY 172 PHY 172 5 UNIVERSITY PHYSICS II FOR PHYSICISTS	Fall 2019	Coreqs
17. PHY 530 PHY 530 3 APPLICATIONS OF MODERN PHYSICS	Fall 2019	Catalog Descr, Course Title

18. [Informatics; B.S.](#)
Informatics; B.S.
Ecoinformatics Emphasis

Fall 2018

Subplan Reqmts-Course(s) Added,
Subplan Reqmts-Unit Change

19. [Mathematics Minor](#)
Mathematics Minor

Fall 2019

Minor Reqmts-Course(s) Deleted