**BIOLOGICAL SCIENCES**

1. **BIO 503**  
   BIO 503  3  ELEMENTS OF SCIENTIFIC ENDEAVOR  
   **Effective Date:** Fall 2019  
   **Summary of Changes:** New Course

2. **BIO 504**  
   BIO 504  3  PAN-BIOLOGY  
   **Effective Date:** Fall 2019  
   **Summary of Changes:** New Course

3. **Biology; M.S.**  
   Biology; M.S.  3  Major Reqmts-Course(s) Added, Major Reqmts-Course(s) Deleted
   **Effective Date:** Fall 2019

4. **Biology; Ph.D.**  
   Biology; Ph.D.  3  Major Reqmts-Course(s) Added, Major Reqmts-Course(s) Deleted
   **Effective Date:** Fall 2019

5. **BIO 555**  
   BIO 555  3  PHILOSOPHY OF BIOLOGY  
   **Effective Date:** Fall 2019  
   **Summary of Changes:** Cross-list, New Course
   **Support:** SCI 555

6. **BIO 326**  
   BIO 326  3  ECOLOGY  
   **Effective Date:** Fall 2018  
   **Summary of Changes:** Coreqs, Number, Other, Prereqs

7. **BIO 326H**  
   BIO 326H  3  ECOLOGY - HONORS  
   **Effective Date:** Fall 2018  
   **Summary of Changes:** Coreqs, Number, Other, Prereqs

8. **BIO 326L**  
   BIO 326L  1  ECOLOGY LAB  
   **Effective Date:** Fall 2018  
   **Summary of Changes:** Coreqs, Number, Other, Prereqs
   **Support:** FAST TRACK Informatics; B.S.

9. **BIO 326LH**  
   BIO 326LH  1  ECOLOGY LAB - HONORS  
   **Effective Date:** Fall 2018  
   **Summary of Changes:** Coreqs, Number, Other, Prereqs
   **Support:** FAST TRACK Informatics; B.S.

10. **BIO 365W**  
    BIO 365W  3  SCIENTIFIC MANUSCRIPT PREPARATION  
    **Effective Date:** Fall 2018  
    **Summary of Changes:** Catalog Descr, Course Title, Prereqs
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**

16. AST 555  
   AST 555  
   PLANETARY APPLICATIONS OF REMOTE SENSING  
   Fall 2019  
   New Course

17. AST 598  
   AST 598  
   PLANETARY ANALOGS FIELD COURSE  
   Fall 2019  
   New Course

18. AST 590  
   AST 590  
   PHYSICS OF THE SOLAR SYSTEM  
   Fall 2019  
   Catalog Descr, Course Title, Number

19. AST 595  
   AST 595  
   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

21. PHY 472  
    PHY 472  
    QUANTUM MECHANICS II  
    Fall 2019  
    New Course

**SESES**

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

23. ENV 560  
    ENV 560  
    EVOLUTION AND ENVIRONMENTAL CHANGE  
    Fall 2019  
    Co-convene, New Course  
    Support: ENV 460
24. **ENV 562**
   ENV 562 3 SOCIAL ECOLOGICAL SYSTEMS
   Support: **GSP 562**

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

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

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

28. **Environmental Sciences; B.S.**
   Environmental Sciences; B.S.
   Environmental Geology Emphasis
   Environmental Sciences; B.S. Curriculum Map

29. **GLG 340**
   GLG 340 1 INTERMEDIATE GEOLOGIC FIELD METHODS

30. **Geology; B.S.**
   Geology; B.S.
   Geology; B.S. Curriculum Map

**MECHANICAL ENGINEERING**

31. **ME 358**
   ME 358 3 SYSTEM DYNAMICS
   Support: **ME 423 ME 523**

32. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

33. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

34. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

35. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

36. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

37. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

38. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

39. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

40. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

41. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

42. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

43. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

44. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

45. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

46. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

47. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

48. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

49. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map

50. **ME 386W**
   ME 386W 3 ENGINEERING DESIGN: THE METHODS

51. **Mechanical Engineering; B.S.**
   Mechanical Engineering; B.S.
   Mechanical Engineering; B.S. Curriculum Map
CECMEE
34. **CENE 151L**
   CENE 151L 1 APPLIED VECTOR MATH FOR ENGINEERS
   Fall 2019  New Course
   Support: FAST TRACK CENE 251

CSTL / MATHEMATICS & STATISTICS
35. **SCI 555**
   SCI 555 3 PHILOSOPHY OF BIOLOGY
   Fall 2019  Cross-list, New Course
   Support: BIO 555

36. **SCI 640**
   SCI 640 3 SURVEY OF RESEARCH IN SCIENCE EDUCATION
   Fall 2019  New Course

37. **TSM 620**
   TSM 620 3 RESEARCH ON TEACHING AND TEACHER EDUCATION
   Fall 2019  New Course

38. **TSM 621**
   TSM 621 3 LEARNING THEORIES IN MATHEMATICS AND SCIENCE EDUCATION
   Fall 2019  New Course

39. **TSM 622**
   TSM 622 3 EQUITY ISSUES IN STEM EDUCATION
   Fall 2019  New Course

40. **TSM 623**
    TSM 623 3 CURRICULUM AND EVALUATION
    Fall 2019  New Course

41. **TSM 630**
    TSM 630 3 INTRODUCTION TO RESEARCH METHODS
    Fall 2019  New Course

42. **TSM 632**
    TSM 632 3 QUANTITATIVE RESEARCH METHODOLOGY
    Fall 2019  New Course

43. **TSM 631**
    TSM 631 3 QUALITATIVE RESEARCH METHODOLOGY
    Fall 2019  New Course

44. **MAT 602**
    MAT 602 3 RESEARCH IN MATHEMATICS EDUCATION
    Fall 2019  Catalog Descr, Course Title, Prereqs

45. **Science Education; Ph.D.**
    Science Education; Ph.D.
    Science Education; Ph.D. Curriculum Map
    Support: Science Education; Ph.D.-Teaching & Learning Support
    Fall 2019  New Plan

46. **Mathematics Education; Ph.D.**
    Mathematics Education; Ph.D.
    Mathematics Education; Ph.D. Curriculum Map
    Support: Mathematics Education; Ph.D.-Teaching & Learning Support
    Fall 2019  New Plan
### III. Consent Items

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### IV. Fast Track Agenda

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<td>ME 423</td>
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<td>HEAT TRANSFER</td>
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<td>PHY 530</td>
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