



11-2021

UCC Minutes, 03/29/2007

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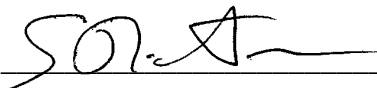
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UNDERGRADUATE CURRICULUM MINUTES

Date: 03/29/2007

Minutes Approved by:  Date Approved: 4/30/2007

TO: Dr. Stephen A. Richters
Provost

FROM: Dr. Lon Smith, Chair
Undergraduate Curriculum Committee
And
Dr. Chris Michaelides, Vice-Chair
Undergraduate Curriculum Committee

FACULTY MEMBERS PRESENT: L. Smith, C. Michaelides, H. Rappaport, D. Schween, P. Meredith, B. Fassett, B. Ricks, Attapol Kuanliang (Sub for R. Hanser)
FACULTY MEMBERS ABSENT: R. Hanser, L. Hayes, S. Saydam
STUDENT MEMBERS PRESENT: N/A
STUDENT MEMBERS ABSENT: N/A

1. THE DEPARTMENT OF SOCIOLOGY requests:

Presenter: Absent
Action: COURSE CHANGE: SOCL 499 Senior Seminar

Current Description:

A small-group interdisciplinary approach to relevant issues. Open to all majors. May be repeated for a maximum of 3 hours credit. Prerequisites: 3.0 GPA, Junior standing, recommendation by department head, and selection by faculty committee.

Proposed Description:

A capstone course for the Sociology major. A small-group interdisciplinary approach to relevant issues in Sociology research, writing and presentation. Prerequisite: Junior standing.

Credit hours: **Current Hours: 1**
Proposed Hours: 3

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

2. THE DEPARTMENT OF SOCIOLOGY requests:

Presenter: Absent
Action: CATALOG CHANGE: p. 95

Senior Year	Hours
University Capstone 300 ^{UC}	3
[Sociology 499 ^{UC}	3]
Sociology 436, 450, 451, Electives	18
Electives/Minor/Second Major	<u>9</u>
	30

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
First Term: 074
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

3. THE DEPARTMENT OF FAMILY AND CONSUMER SCIENCES requests:

Presenter: Dr. B. Renée Jackson
Action: GLOBAL CHANGE OF DEGREE TITLE

Current Title: Associate of Science in Child Development

Proposed Title: Associate of Science in Care and Development of Young Children

Credit hours:
Level:

Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

Note: This change was previously mandated and approved by the
Board of Regents.
UCC Decision **APPROVED**

4. THE DEPARTMENT OF FAMILY AND CONSUMER SCIENCES requests:

Presenter: Dr. B. Renée Jackson
Action: CATALOG CHANGE: p. 92

Current Text: CHILD DEVELOPMENT

Proposed Text: CARE AND DEVELOPMENT OF YOUNG CHILDREN

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

Note: This change was previously mandated and approved by the
Board of Regents.
UCC Decision **APPROVED**

5. THE DEPARTMENT OF FAMILY AND CONSUMER SCIENCES requests:

Presenter: Dr. B. Renée Jackson
Action: CATALOG CHANGE: p. 167

Current Text: Required for Associate of Science in Child Development:

Proposed Text: Required for Associate of Care and Development of Young Children

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

First Term: 074

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

Note: This change was previously mandated and approved by the Board of Regents.

UCC Decision **APPROVED**

6. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk

Action: CLOSE AND REMOVE COURSE: MATH 209 Dynamical Systems and Chaos

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

7. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: CLOSE AND REMOVE COURSE: MATH 436 Introduction to Mathematical Concepts in Operations Research

Credit hours:
Level:
Activity Type:
Maximum Hours To Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course Title:

UCC Decision **APPROVED**

8. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: COURSE CHANGE: MATH 110 College Algebra With Review

Current Course Description:

Real numbers, functions, inequalities, systems of equations, finance and a review of fundamentals.

Proposed Course Description:

Review of fundamentals. Solving equations, inequalities and systems of equations. Functions and graphs including but not limited to polynomials, rational, logarithmic and exponential functions.

Credit hours:
Level:
Activity Type:
Maximum Hours To Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:

Abbreviated Course
Title:

UCC Decision **APPROVED**

9. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: **COURSE CHANGE: MATH 111 College Algebra**

Current Course Description:

Real number system, functions, linear equations and inequalities, systems of equations and inequalities, quadratics, complex numbers, polynomial equations, arithmetic and geometric series, permutations and combinations.

Proposed Course Description:

Solving equations, inequalities and systems of equations. Functions and graphs including but not limited to polynomials, rational, logarithmic and exponential functions.

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

10. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: **COURSE CHANGE: MATH 118 The Nature of Mathematics**

Current Course Description:

Selected topics from logic, set theory, number theory, graph theory, combinatorics, and geometry. Intended for liberal arts degree programs.

Proposed Course Description:

Selected topics from number theory, modular arithmetic, geometry, voting theory, fair division, graph theory, scheduling, basic statistics, probability and consumer mathematics.

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

11. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk

Action: COURSE CHANGE: MATH 407 History of Mathematics

Current Course Description:

Selected Topics on the development of mathematics as a human endeavor; numeration systems, growth of algebra, trigonometry, geometry, and the calculus; contributions from various cultures; selected biographies of mathematicians. Prerequisites: A grade of "C" or better in Math 230 and either Math 380 or Math 386.

Proposed Course Description:

University Capstone Course. Selected Topics on the development of mathematics as a human endeavor; numeration systems, growth of algebra, trigonometry, geometry, and calculus; contributions from various cultures; selected biographies of mathematicians. Prerequisites: A grade of "C" or better in Math 230 and either Math 380 or Math 386.

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

Note: The committee recommends incorporating more group work
in this capstone course.

UCC Decision **APPROVED**

12. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: CATALOG CHANGE: p. 96.

Senior Year

Mathematics 380 or 386.....3
Mathematics Electives.....[3]
Humanities Elective.....3
Arts Elective.....3
Free Electives.....17
[Math 417 or 425.....3]

32

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
First Term: 072
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

13. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: CATALOG CHANGE: p. 186

Current Text:

Required for a major: 131, 132, 202, 232, 240, 380, 386, two additional courses numbered 300 and above, and three additional 400 level courses, for a total of 39 semester hours.

Proposed Text:

Required for a major: 131, 132, 202, 232, 240, 380, 386, [417 or 425], two additional courses numbered 300 and above, and [two] additional 400 level courses, for a total of 39 semester hours.

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

14. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson

Action: CLOSE AND REMOVE COURSE: PHYS 105 Physics and Society

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

15. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 106 Physics and Society

Credit hours:
Level:
Activity Type:
Maximum Hours To Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course Title:

UCC Decision **APPROVED**

16. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 203 General

Current Course Description:

Principles and applications of mechanics, heat and sound. Prerequisite: MATH 112 or 113.

Proposed Course Description:

This is a trigonometry-based physics class involving the principles and laws of kinematics, forces, energy, momentum, linear and rotation motion, and statics. Selected topics may include fluids, vibrations, sound, kinetic theory, and heat. Prerequisite: MATH 112 or 113.

Credit hours:
Level:
Activity Type:
Maximum Hours To Be Earned:
Cross-Listed:

Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

17. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 204 General

Current Course Description:

Principles and applications of electricity, magnetism, and light. Prerequisite: PHYS 203

Proposed Course Description:

This is a trigonometry-based physics class involving the principles and laws of electricity, magnetism. Selected topics may include light, electromagnetic waves, radiation, and modern physics. Prerequisite: PHYS 203.

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

18. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 207 Mechanics, Sound, and Heat

Current Course Description:

Principles and applications of mechanics, sound, and heat. For students who will pursue science and engineering. Prerequisite: Credit or registration in MATH 131. F

Proposed Course Description:

This is a calculus-based physics class involving the principles and applications of mechanics, sound, and heat. For students who will pursue science and engineering. Prerequisite: Credit or registration in MATH 131. F

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

19. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson

Action: COURSE CHANGE: PHYS 208 Electricity, Magnetism, and Light

Current Course Description:

Principles and applications of electricity, magnetism, and light. For students who will pursue science and engineering. Prerequisite: PHYS 207. Sp

Proposed Course Description:

This is a calculus-based physics class involving the principles and applications of electricity, magnetism, and light. For students who will pursue science and engineering. Prerequisite: PHYS 207. Sp

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

20. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 213 Acoustics of
 Music and Speech

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

21. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 215 Photography

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered

Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

22. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 216 Photography
Laboratory

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

23. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: B. Strunk
Action: CLOSE AND REMOVE COURSE: PHYS 301 Laboratory
Techniques

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered

Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

24. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 302 Radiological

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

25. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 306 Health
Physics

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:

Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

26. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: CLOSE AND REMOVE COURSE: PHYS 308 Laboratory
Techniques

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

27. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 315 Mechanics

Current Course Description:

Statics, kinematics, and dynamics. Prerequisites: PHYS 204 or 208; MATH 131

Proposed Course Description:

Application of the fundamental laws of mechanics to particles and rigid bodies.
Prerequisites: PHYS 204 or 208; MATH 131.

Credit hours:
Level:
Activity Type:
Maximum Hours To

Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

28. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 317 Electricity and Magnetism

Current Course Description:

The theory of electricity and magnetism as applied to the elements of electrical circuits. Prerequisites: PHYS 208, MATH 132

Proposed Course Description:

The theory of electricity and magnetism. Prerequisites: PHYS 208, MATH 132.

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title:

UCC Decision **APPROVED**

29. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 322 Elementary Modern Physics

Current Course Description:

Introduction to relativity, quantum effects, quantum mechanics, and solid state and nuclear physics. Prerequisites: PHYS 204 or 208.

Proposed Course Description:

Introduction to relativity, quantum effects, quantum mechanics, condensed matter physics, nuclear physics, and high energy physics. Prerequisites: PHYS 204 or 208.

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

30. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson

Action: CLOSE AND REMOVE COURSE: PHYS 328 Popular Readings in Physics

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

31. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 401

Current Course Title:
Heat and Thermodynamics

Proposed Course Title:
Thermodynamics and Statistical Mechanics

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:
Variable Range:
Abbreviated Course
Title: Thermodynamics

UCC Decision **APPROVED**

32. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 412

Current Course Title:
Elementary Vector Fields

Proposed Course Title:
Mathematical Physics

Credit hours:
Level:
Activity Type:
Maximum Hours To
Be Earned:
Cross-Listed:
Final Term: 071
Offered
Fixed/Variable:

Variable Range:
Abbreviated Course Title: Mathematical Physics

UCC Decision **APPROVED**

33. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 415 Mechanics

Current Course Description:

Rigid bodies, vibrational systems, and advanced general methods. Prerequisites: PHYS 315; MATH 132

Proposed Course Description:

Language and Hamiltonian formulations, vibrational systems, and advanced general methods. Prerequisites: PHYS 315; MATH 132.

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

34. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson
Action: COURSE CHANGE: PHYS 417 Electricity and Magnetism

Current Course Description:

A theoretical treatment of electricity and magnetism with an introduction to electromagnetic wave phenomena. Prerequisites: PHYS 317 and credit or registration in MATH 232.

Proposed Course Description:

A theoretical treatment of electricity and magnetism with electromagnetic wave phenomena and Maxwell's Equations. Prerequisites: PHYS 317 and credit or registration in MATH 232.

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term: 071

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title:

UCC Decision **APPROVED**

35. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter: J. Anderson

Action: COURSE CHANGE: PHYS 433

Current Course Title:

Introductory Quantum Mechanics

Proposed Course Title:

Quantum Mechanics

Credit hours:

Level:

Activity Type:

Maximum Hours To

Be Earned:

Cross-Listed:

Final Term:

Offered

Fixed/Variable:

Variable Range:

Abbreviated Course

Title: Quantum Mechanics

UCC Decision **APPROVED**