08-33

RECEIVED NOV 2 2007 MINNESOTA STATE UNIVERSITY, MANKATO

Minnesota State University, Mankato *HOLD and CLEAR buttons only compatible with Acrobat V. 4 and 5*

Curriculum Proposal

Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

(Check all that apply):

College: Science, Engineering and Technology — [x] Undergraduate

Department: Physics and Astronomy — Graduate

Program: Physics B.S. — CIP # _____

Type of Change Proposed: COURSE PROPOSALS — Change in Course—Other Change in prerequisites

Title Current: Statistical Physics

Title Proposed:

24-Char. Abbrev: Statistical Physics

Proposal # 74

Effective Date of Change:

Academic Year 07-08

(For Office Use Only)

Course Designator and Number	Number of Credits
PHYS 473	3

(if applicable)

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):

(Unchanged except for the prerequisites - see attached memo.) The new prereqs are - Pre: MATH 321 and PHYS 223

Rationale or Justification for change:

The change in the General Physics sequence makes the proposed change in prerequisites necessary. The PHYS 212 prerequisite option is being dropped, as it does not adequately prepare students for the demands of this 400-level physics course. The MATH 223 prerequisite is being dropped as its content is minimally used in the course.

For General Education or Cultural Diversity Courses Only

General Education Course:

GE Category #	GE Category Name (Maximum of 3 Categories)
N/A	
N/A	
N/A	

? For Writing Intensive Courses, attach a description of the kind and quantity of writing.

? For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.

Cultural Diversity Course:

(Please check one.)

☐ **Core** (At least 75% devoted to topics of race, gender, sexual orientation, age, class, and disabilities as they occur in United States Society.)

☐ **Related** (At least 25% devoted to the above topics or to a global perspective on topics related to African American, Asian, Hispanic, and Native American inhabitants of the United States.)

Attach paper copies of the following:

a. Syllabus or course outline.

b. Course's student learning outcomes associated with each GE competency or CD designation.

c. List of strategies to be used to assess students' achievement of each GE competency or CD designation.

For New Courses

(Check all that apply:)

☐ Course is an elective.

☐ Course is required for program

☐ Pre- or Co-requisites:

Instructional Type: Lecture

Grading Format: ☐ Grade ☐ P/N

Course will be offered:

☐ Fall Semester

☐ Spring Semester

☐ Summer Session

☐ Other courses are being changed or eliminated. (Explain.)

☐ Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)

Attach paper copies of the following:

a. Syllabus or course outline.

b. Course's student learning outcomes.

c. A list of resources required to offer and support this course.

d. A description of how teaching this course will affect department staffing.

e. If 400/500 level course, an explanation of added expectations of graduate students.

Minnesota State University, Mankato

Curriculum Proposal

*****Signature Page*****

Department
✓ Recommended (Category/ies_____)
__ Not Recommended (Category/ies_____)
Department Chair — Date: 12 Oct. 2007
Comments:

College Curriculum Committee
✓ Recommended (Category/ies_____)
__ Not Recommended (Category/ies_____)
Committee Chair — Date: 10/30/07
Comments:

College Dean
✓ Recommended (Category/ies_____)
__ Not Recommended (Category/ies_____)
Dean — Date: 10/31/07
Comments:

General Education Subcommittee
__ Recommended (Category/ies_____)
__ Not Recommended (Category/ies_____)
General Education Subcommittee Chair — Date
Comments:

Undergraduate Curriculum and Academic Policy Committee
✓ Recommended (Category/ies_____)
__ Not Recommended (Category/ies_____)
UCAP Faculty Chair — Date: 12/1/07
Comments:

Faculty Association Graduate Committee
__ Recommended
__ Not Recommended
Faculty Association Graduate Chair — Date
Comments:

Graduate Dean
__ Recommended
__ Not Recommended
Graduate Dean — Date
Comments:

Academic Affairs Council
✓ Recommended (Category/ies_____)
__ Not Recommended (Category/ies_____)
Assistant Vice President — Date: 12/17/07
Comments:

Senior Vice President and Vice President for Academic Affairs
✓ Approved (Category/ies_____)
__ Not Approved (Category/ies_____)
Sr. Vice President / Vice Pres. Academic Affairs — Date: 12/18/07
Comments:

PHYS 473 Revision Proposal
(12 Oct. 2007)

What is proposed:

We propose to change the prerequisites for the course, and nothing else.

Current prerequisites:	PHYS 212 or PHYS 222 and MATH 223 and MATH 321
Proposed prerequisites:	MATH 321 and PHYS 223

Rationale or Justification for change:

The change in the General Physics sequence makes the proposed change in prerequisites necessary. The PHYS 212 prerequisite option is being dropped, as it does not adequately prepare students for the demands of this 400-level physics course. The MATH 223 prerequisite is being dropped as its content is minimally used in the course.