

Curriculum Proposal Signature Sheet

PHYS 372 Changes to Title and Description

TITLE OF PROPOSAL

Type of Proposal

Program

- New
- Changes within Major
- Changes within Cognate *
- Changes in Minor or Track
- Changes in Concentration*
- Program Deletion

Course

- New
- Changes in Course taken only by Majors
- Changes in Course required of Non-Majors*
- Changes in Course open to Non-Majors
- Deletion of Course taken only by Majors
- Deletion of Course required of Non-Majors*
- Deletion of Course open to Non-Majors

Physics IEE

SPONSORING DEPARTMENT(S)

Review and Approval 4/1/09

DATE(S)

Signature of Sponsoring Chair(s)/Date

[Signature] 4/1/09

* For starred items Chairs of affected Departments/Programs must sign below before Dean's review

Dean's Preliminary Review

Proposal: Complete

Additional preliminary comments below

- Satisfies U of S Curricular Requirements
- Consistent with College Goals/Mission

Dean's Signature/Date

[Signature]

4-2-09

CAS

CPS

SOM

GRAD

DHC

Preliminary FSCC Disposition:

- Committee recommends approval *(new program proposals require a Recommendation from the full Senate)*
- Proposal will require minimal review: Anticipated FS Meeting Date: _____
- Proposal will require significant review: Anticipated FS Meeting Date: _____

FSCC Chair Signature/Date _____

Issues: _____

Additional Signatures

Department Signature Date

Department Signature Date

Department Signature Date

Course Revision
Course open to or required of Non-Majors

Course Title: Atomic and Laser Physics

Course Number: PHYS372 Date: 3-11-2009

Home Dean: CAS CPS SOM GRAD DHC

**Nature
of
revision:**

Change course title to: Quantum Mechanics

Change course description to: Intensive and quantitative treatment of quantum mechanics.

Wave function; solutions of the Schödinger equation in 1dimension; formalism of quantum mechanics; statistical interpretation; problems in 3 dimendions; angular momentum; spin; identical particle systems; quantum statistics. Time-independent perturbation theory; two-level systems; emission and absorbtion;. Three hours lecture.

**Rationale
for
revision:**


The new title and description describe what has been taught in the course for the last 10 years.

Will the revision have an impact on the core curriculum? No Yes (indicate impact)

Indicate below the distribution of students the last four times the course was offered

An elective course for
physics, MATH, biophysics, pre-engineering majors

S09
S08
S07
S06



Indicate below the impact and response of affected programs/concentrations/tracks

Will the revisions require allocation/reallocation of University resources?

XNo Yes (indicate resources needed for revision below)

Signature of Sponsoring Chair: Christina Jones Date: 4/11/09