New to this campus

New Course Request  Indiana University  South Bend Campus

Check Appropriate Boxes:  Undergraduate credit x  Graduate credit □  Professional credit □

1. School/Division  CLAS

2. Academic Subject Code  PHYS

3. Course Number  P410 (must be cleared with University Enrollment Services)  4. Instructor  P. Ha

5. Course Title  Computing Applications in Physics

Recommended Abbreviation (Optional)  (Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year):  Fall 2004

7. Credit Hours: Fixed at 3.0 or Variable from  to  

8. Is this course to be graded S-F (only)? Yes  No  x

9. Is variable title approval being requested? Yes  No  x

10. Course description (not to exceed 50 words) for Bulletin publication:  Computing methods and techniques applied to a broad spectrum of physics problems. Emphasis on least-squares method and other curve-fitting techniques of non-linear functions; monte carlo methods; data manipulation, including sorting, retrieval, and display.

Pre-req: Phys P332 or equivalent; Csci C301 or equivalent

11. Lecture Contact Hours: Fixed at 3.0 or Variable from  to  

12. Non-Lecture Contact Hours: Fixed at  or Variable from  to  

13. Estimated enrollment: 8 of which 0 percent are expected to be graduate students.

14. Frequency of scheduling: every 2 years Will this course be required for majors?  no

15. Justification for new course: additional option for physics major and physics cognate area of informatics B.S.

16. Are the necessary reading materials currently available in the appropriate library?  yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:  

Date  11/12/03  

Department Chairman/Division Director

Dean of Graduate School (when required)

Approved by:  

Date  11/13/04  

Chancellor/Vice-President

University Enrollment Services

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

UPS 724  University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow; Department/Division—Pink; University Enrollment Services Advance—White
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Bulletin 2002-2004