The University Of Toledo
Existing Course Modification Form

Please enter the changes below to each existing course. If changes are too extensive for this format, attach a page with all information.

College:  ΔR$ S  \text{ PHYS}  
Contact Person: Steven Federman  
Phone:  

Present

Dept/Academic Unit: PHYS  
Email: steven.federman@utoledo.edu  

Proposed

Supply all information asked for in this column.
(Supply core and transfer module info if applicable.)
Course Alpha/Numeric: PHYS 7180
Course Title: MODERN PHYSICS LABORATORY
Credit Hours: 2-3
CrossListings:

Prerequisite(s):

Catalog Description (only if changed):

Experiments in atomic, condensed matter and nuclear physics, such as Zeeman, Raman, Mossbauer and Hall Effects, Doppler shifts, X-ray diffraction, NMR, STM, and alpha, beta and gamma ray spectroscopies.

US Culture  Non-US Culture
Transfer Module: Arts & Humanity  Engl  Math  
Social Science  Natural Science & Physics

Reason for change
To align it better with other changes in undergraduate and graduate physics laboratories and to address the needs and interests of the Radiation Oncology (MS via HSC, 2 credit hours) and Medical Physics (PhD, 3 credit hours) students. See attached description.

Has course content changed? ☐ No  ☑ Yes  If so, give a brief topical outline of the revised course below.

http://curriculumtracking.utoledo.edu/CourseModShow.asp?alpha_id=PHYS&num_id=7180&submission...  3/14/2011
Has the course changed from a non-core curriculum course to a core curriculum course?  ☐ No  ☐ Yes  If so, explain how this course fulfills the core curriculum/general education guidelines.

List any course or courses to be dropped.

Effective Date:  /  /  (mm/dd/yyyy)

Approval:

Department Curriculum Authority:  Date 3/14/2011 (mm/dd/yyyy)
Department Chairperson:  Date 3/14/2011 (mm/dd/yyyy)
College Curriculum Authority:  Date 3/17/2011 (mm/dd/yyyy)
College Dean:  Date 4/19/2011 (mm/dd/yyyy)

After college approval, submit the original signed form to the Faculty Senate (UH 3320) for undergraduate-level courses; for graduate-level courses submit the original signed form to the Graduate School (UH3240). For undergraduate/graduate dual-level courses, submit the proposals to each office.

UUCC or Graduate Council Curriculum Chair:  Date / / (mm/dd/yyyy)
Faculty Senate Core Curriculum Committee Chair:  Date / / (mm/dd/yyyy)
Office of the Provost:  Date / / (mm/dd/yyyy)
Registrar's Office:  Date / / (mm/dd/yyyy)

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