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User: Amanda Trevisanutto

Manage Your Account

Edit Resources

My Curriculum

Assigned curriculum requests (153)	view
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Your working folder contains:	view

- 0 curriculum requests
- 0 courses
- 0 degrees
- 0 programs

Quick Links

Manage Courses

Add New Course

Search For Course
- Copy Course
- Create New Version of Course
- Discontinue Course

Course Details

Generate Pdf Report

Course Details | Prerequisites | Corequisites | Exclusions | Cross Listed | Designations | Supporting Documents

Course Status: In Workflow Request (View History)
Change Type: New Version

Where Used Report
Hide Differences

Zone1: Required Information

	Current Version	Proposed Version
InstitutionUnit:	• Lakehead University • Faculty of Science and Environmental Studies	• Lakehead University • Faculty of Science and Environmental Studies
StartTerm:	Summer 2010	~~Summer 2010~~F-W 2013-14
EndTerm:	Spring 2011	~~Spring 2011~~No Specified End Date [?]
Code:	Physics 4412	Physics 4412 [?]
Title:	Advanced Experimental Physics II	Advanced Experimental Physics II:Medical Imaging
AcademicLevel:	Undergraduate	Undergraduate
CreditWeight:	0.5	0.5

Zone 2: Required Information – Detailed

	Current Version	Proposed Version
Course Description:	Experiments will be based on fourth year physics courses. Topics may include the following: nuclear instruments and methods, microcomputer based data collection and analysis, or optical and electrical investigation of materials.	Experiments ~~will be based on fourth year physics courses. Topics may include the following: nuclear instruments and methods, microcomputer based data collection and analysis, or optical and electrical investigation of materials~~demonstrating the fundamental physical principles underlyingradiation and ultrasound medical imaging (photoconductivity, pulse-height spectroscopy andultrasound propagation through matter) as well as experiments with clinical systems (digital directconversion x-ray detector, Positron Emission Tomography (PET) scanner and MagneticResonance Imaging (MRI)).
Rationale for this proposal:		The instructor took over this course in 2009 and redeveloped the curriculum to takeadvantage of their expertise in the Physics of Medical Imaging and facilities available throughcollaboration with the Thunder Bay Regional Research Institute. This calendar changeupdates the course description to accurately reflect the current course content.This is a required course in our HBSc Physics program.
Required or Elective:		• Required [?]
Cross List:		
Offering:	0-0; 0-4	0-0; 0-4 [?]

Zone 3: Additional Information

	Current Version	Proposed Version
Prerequisites:	Permission of the Department	Permission of the Department
Corequisites:		
Notes (Restrictions):		[?]

Zone 4: Budgetary Considerations

	Current Version	Proposed Version
	Please Complete Each Section and Provide Explanations for Both Yes and No Answers.	Please Complete Each Section and Provide Explanations for Both Yes and No Answers.
Student Enrolment:		Student enrollment should not change. [?]
Student Enrolment Other Units:		Student enrollment with other units should not change. [?]
Additional Resources:		The present resources will remain the same. [?]
Teaching Loads:		The present teaching loads will still be assigned. [?]
Teaching Support Services:		Teaching support will not change. [?]
Outside Support:		No outside support is required. [?]

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