

Navigator Suite



My Account

User: Amanda Trevisanutto

[Manage Your Account](#)

Edit Resources

My Curriculum

Assigned curriculum requests (38) [view](#)

Submitted curriculum requests (0) [view](#)

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

Catalog Curriculum Admin

[Logout](#) | [Home](#)

Course Details

[Generate Pdf Report](#)

Course Details	Prerequisites	Corequisites	Exclusions	Cross Listed	Designations
Supporting Documents					

Course Status: In Workflow Request ([View History](#))

[Where Used Report](#)

Change Type: New Version

[Hide Differences](#)

Zone 1: Required Information	
Current Version	Proposed Version
InstitutionUnit: <ul style="list-style-type: none"> • Lakehead University • Faculty of Science and Environmental Studies 	<ul style="list-style-type: none"> • Lakehead University • Faculty of Science and Environmental Studies
StartTerm: Summer 2009	Summer 2009F-W 2013-14
EndTerm: Spring 2010	Spring 2010No Specified End Date [?]
Code: Physics 1070	Physics 1070 [?]
Title: Semiconductors and Gases	Semiconductors and GasesSemiconductor Physics
AcademicLevel: Undergraduate	Undergraduate
CreditWeight: 0.5	0.5

Zone 2: Required Information – Detailed	
Current Version	Proposed Version
Course Description: Photoelectric effects, theory of semiconductors; thermionic emission and electron ballistics; properties of gases; kinetic theory of gases; gas discharge.	Photoelectric effects, theory of semiconductors; thermionic emission and electron ballistics; properties of gases; kinetic theory of gases; gas discharge Physics of semiconductors including crystal structure, conductivity, photoelectric effect, Halleffect, atomic energy levels and band theory,Fermi-Dirac statistics and density of states,intrinsic and extrinsic properties. The physics of common semiconductor devices are also discussed.
Rationale for this proposal:	To add 1 hour tutorial and update the course description. The instructor has run a tutorial inthis class for a number of years and we would like to this to be accurately reflected in thecalendar entry. We have also used this opportunity to update the course title and description to better reflect the current course content.This course is a required course in electrical engineering and the request to add the one hourtutorial came from the Department of Electrical Engineering.
Required or Elective:	<ul style="list-style-type: none"> • Required [?]
Cross List:	
Offering: 3-0; 0-0	3-01; 0-0 [?]

Zone 3: Additional Information	
Current Version	Proposed Version
Prerequisites:	
Corequisites:	
Notes (Restrictions):	[?]

Zone 4: Budgetary Considerations**Current Version**

Please Complete Each Section and Provide Explanations for Both Yes and No Answers.

Student Enrolment:

Student Enrolment
Other Units:

Additional Resources:

Teaching Loads:

Teaching Support
Services:

Outside Support:

Proposed Version

Please Complete Each Section and Provide Explanations for Both Yes and No Answers.

No the enrollment should not change. [?]

No the enrollment in other units will not change. [?]

The resources in place presently will continue to be used to support this tutorial. [?]

Teaching loads will not change. [?]

Teaching support services used already will continue to be used to support this tutorial. [?]

Outside support will not be required. [?]

Back