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Course Details

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

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

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| 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 2010 | Summer 2010F-W 2013-14 |
| EndTerm: Spring 2011 | Spring 2011No Specified End Date [?] |
| Code: Physics 3371 | Physics 3371 [?] |
| Title: Solid State Physics | Solid State Condensed Matter Physics |
| AcademicLevel: Undergraduate | Undergraduate |
| CreditWeight: 0.5 | 0.5 |

| Zone 2: Required Information – Detailed | |
|---|---|
| Current Version | Proposed Version |
| Course Description: Crystal structure, x-ray diffraction, dislocations, band theory, electrons and holes, statistics, junctions, thermionic emission. | Crystal structure, x-ray diffraction, dislocations, band theory, electrons and holes, statistics, junctions, thermionic emission To provide an understanding of condensed matter physics with an emphasis on the electronic structure of solids. Topics covered include the structure and binding of solids, reciprocal lattice and diffraction, free electron Fermi gas, band theory of metals and semiconductors, and magnetism. |
| Rationale for this proposal: | To update the course description to better reflect current course content. |
| Required or Elective: | [?] |
| Cross List: | |
| Offering: 0-0; 3-0 | 0-0; 3-0 [?] |

| Zone 3: Additional Information | |
|--------------------------------|------------------|
| Current Version | Proposed Version |
| Prerequisites: Physics 2332 | Physics 2332 |
| 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: | No we are only updating the wording. [?] |
| Student Enrolment Other Units: | No other units will not be influenced. [?] |
| Additional Resources: | No changes to present resources are required. [?] |
| Teaching Loads: | The present teaching loads will not change. [?] |
| Teaching Support Services: | The present support will not change. [?] |
| Outside Support: | No outside support is required. [?] |

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