ELEC 420 Nanotechnology  
Spring 2016 (201601)

Instructor  
Dr. Chris Papadopoulos  
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Office Hours  
Day: Tuesday  
Time: 2:30PM – 5:00PM  
(or by appointment)  
Location: EOW 429

Lectures  
Sections: A01/CRN 21152, A02/CRN 21153  
Days: TWF  
Time: 9:30AM – 10:20AM  
Location: ECS 128

Website  
http://coursespaces.uvic.ca/ (NetLink ID required)

Required Text  
Readings will be provided.

Reference texts  
Introduction to Nanoscience, Lindsay, Oxford (2010).

Topics  
I  Nanoscale Imaging and Fabrication  
II  Properties of Nanostructures  
III  Nanoelectronics  
IV  Nanophotonics  
V  Bionanotechnology

Assessment  
Tests  15; 20% (Take home, due Feb. 16; Mar. 18)  
Term Paper  40% (Due April 4)  
Final Exam  25%

Submit all work directly to instructor (in-class or office by 5PM). Term papers will not be accepted after the due date.
The final grade obtained from the above marking scheme for the purpose of GPA calculation will be based on the percentage-to-grade point conversion table as listed in the current Undergraduate Calendar. Assignment of E grade and supplemental examination for this course will be at the discretion of the Course Instructor. The rules for supplemental examinations can be found in the current Undergraduate Calendar:
http://web.uvic.ca/calendar/FACS/UnIn/UARe/Grad.html

**Course Objectives and Learning Outcomes**
Understand properties of nanoscale materials and tools used to create/characterize them. Examine and apply this knowledge to applications based on nanostructures.

**Syllabus**

**Accommodation of Religious Observance**
http://web.uvic.ca/calendar/GI/GUPo.html

**Policy on Inclusivity and Diversity**
http://web.uvic.ca/calendar/GI/GUPo.html

**Standards of Professional Behaviour**
You are advised to read the Faculty of Engineering document, Standards for Professional Behaviour, at http://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf which contains important information regarding conduct in courses, labs, and in the general use of facilities.

Students who have issues with the conduct of the course should discuss them with the instructor first. If these discussions do not resolve the issue, students should feel free to contact the Chair of the Department by email or the Chair’s Secretary to set up an appointment.

Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult http://web.uvic.ca/calendar/FACS/UnIn/UARe/PoAcI.html for the UVic policy on academic integrity.

**Course Lecture Notes**
Unless otherwise noted, all course materials supplied to students in this course have been prepared by the instructor and are intended for use in this course only. These materials are NOT to be re-circulated digitally, whether by email or by uploading or copying to websites, which could in some cases constitute a breach of academic integrity as defined in the UVic Calendar.