

**UNIVERSITY OF CALGARY  
FACULTY OF SCIENCE  
NANOSCIENCE PROGRAM  
COURSE SYLLABUS  
FALL 2018**

**1. Course: NANS 599, Special problems in nanoscience & nanotechnology**

LEC	DAYS	TIME	ROOM	PROFESSOR	OFFICE	EMAIL	OFFICE HOURS
L01	MW	18:00-19:15	ST 055	Dr. J. MacCallum	BI 557	justin.maccallum@...	By appointment

Nanoscience Program Director: Room SB 417, Tel: (403) 210-7078, e-mail: [nans@ucalgary.ca](mailto:nans@ucalgary.ca)

**2. Course Description:** Presentation skills in the context of advanced topics in nanoscience and nanotechnology. This is primarily a practical course with relatively few traditional lectures. The focus is on both the theory and practice of effective scientific communication. Students will gain hands on experience through a series of in-class presentations, which constitute the bulk of their grade for the course.

**3. Recommended Textbook:** None

**4. Topics Covered:** Understanding of theory and practice for scientific communication.

**4. Learning Outcomes:**

- Develop an appreciation for effective scientific communication and be able to articulate the importance of effective communication both for science at society at large.
- Learn the mechanics of software tools, such as Power Point, and use them effectively to refine existing presentations and to create new ones.
- Understand best practices for scientific communication as demonstrated through the effective critique of the work of others.
- Understand the curse of knowledge and demonstrate the ability to recognize and mitigate its effects.
- Create informative, engaging, and effective presentations.
- Understand the importance having a clear purpose behind a presentation and knowing who your audience is. Demonstrate by making appropriate choices during in-class presentations.

Program Director Approval: Approved by Program Director Date September 6, 2018