Chemistry 801: *Nanostructured Materials and Interfaces*

Instructors: Arthur B. Ellis, Amy Payne, Jonathan Breitzer, Cindy Widstrand
2 or 3 credits
Lecture meets Tuesdays and Thursdays at 2:25, room B387 Chemistry.
Occasionally there will be a lab in place of lecture in room 2365 Chemistry at times to be determined.

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**Course information**

This special topics course will explore the preparation, characterization, and applications of nanoscale materials and interfaces from a chemical perspective.

**Recommended readings**

N. B. You must be connected to a UW server (or have a subscription) to access the links to some of the journal articles.

10. A pessimist's view on the future of nanotechnology (Article by Bill Joy in the April 2000 issue of Wired magazine).

**Grading**

Grading will be based on occasional problem sets and a short paper and oral presentation. The paper (3-5 pages) can either be a literature review or an extension of a laboratory experiment conducted in the course. The topic will be selected in consultation with the instructors by Spring Break and due April 26. More detailed information will be forthcoming.

For a third credit, a second paper (approx. 10 pages) on a second topic is required, with the topic selected in consultation with the instructors and due May 3.