

## Chem 344 – Special Topics in Chemistry – Spring 2012

**Lecture** – Nobel Hall 106-C, T – 8:00-9:00 AM

**Instructors** – Dr. Dwight R. Stoll, Dr. Dmitriy Khon

**Offices** – Nobel Hall 203/133

**Campus Phones** – x6304, x7323

**Emails** – dstoll@gustavus.edu, dkhon@gustavus.edu

**Office Hours** – By appointment or by chance

**Course Website** - <http://www.multidlc.com/drstoll/>

### Required Materials

None.

**Course Goal** – To provide a learning framework within which students can learn about a variety of topic related to carbon nanomaterials.

### Course Objectives

1. To gain familiarity with a variety of topics related to carbon nanomaterials, including synthesis, applications, and safety.
2. To explore in depth two of the areas mentioned above.
3. To refine oral presentation skills.
4. To become comfortable with using a bibliographic data management system.
5. To become familiar with the use of RSS feeds for monitoring the literature.

**Grading** – Evaluation of performance in the course will be based upon the following items.

1. Preparation and delivery of two 40-minute presentations on subjects of your choice related to carbon nanomaterials – 2 x 100 points
2. Establishment and population of a Zotero account with literature references related to your presentation – 50 points
3. Establishment of a Google Reader account, and blog posts related to interesting articles you discover as a means of sharing with the class – 50 points – minimum of one post per week for ten weeks

Letter grades will be assigned based upon the following scale. *The instructors reserve the right to lower these cutoffs under special circumstances, however the cutoffs will not be raised under any circumstances.*

% of Points	Letter Grade
90-100	A
80-90	B
70-80	C
60-70	D
< 60	F

**Presentation Schedule and Topics** – We will meet every Tuesday between February 14 and May 8, except for spring break week. A maximum of two absences will be allowed.

Check your Google Documents account to sign up for presentation times and topics.

### ***Fine Print***

**Honor Code:** The following code will be written in full and signed on every examination and certain specified graded papers:

***"On my honor, I pledge that I have not given, received, or tolerated others' use of unauthorized aid in completing this work."***

Gustavus Adolphus College is proud to operate under an honor system. The faculty and students have jointly created an Honor Board to enforce this policy. In signing this statement a student is promising that his or her work complies fully with the authorized aid as defined by the professor. It is each professor's responsibility to state course penalties for academic honesty policy violations, and to define the level of authorized aid appropriate to the work in the course or to the particular assignment. However, the student is responsible to ask questions about any reasonable doubt regarding the professor's definition.

The following Gustavus website information will be valuable in explaining details:

<http://gustavus.edu/deanofstudents/policies/gustieguide/academic-policies.php>

In Chemistry 270 all examinations will be conducted under the honor code. Penalty for violating the code will be a score of zero on the exam.

Preparation of your data as part of laboratory experiments can be collaborative, and collaboration on this work is not only legal but also encouraged. Plagiarism on lab reports does, however, constitute a breach of the Honor Code. If you are unsure of what constitutes plagiarism, ask your instructor and/or see the Gustavus website.

**Students with Disabilities** - Any student with a documented disability, needing academic adjustments or accommodations, is requested to speak with me during the first two weeks of class. All discussions will remain confidential. Such students also need to contact Student Disability Services in the Advising and Counseling Center in Johnson Student Union.

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (1990) work together to ensure 'reasonable accommodation' and non-discrimination for students with disabilities in higher education. A student who has a physical, psychiatric/emotional, medical, learning, or attention disability that may have an effect on the student's ability to complete assigned course work should contact the Disability Services Coordinator in the Advising Center, who will review the concerns and decide with the student what accommodations are necessary.

*The information listed on the course web site, in the syllabus, and in associated documents is subject to change at the discretion of the instructor.*