

**POLLUTION PREVENTION: FUNDAMENTALS AND PRACTICE
ESGN 463 AND ESGN 563**

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Course Goals: My goal is to expose you to as many different concepts and ideas for pollution prevention as possible. It is possible for every student to earn an A in this course. Please - ask questions, interrupt, and express your own ideas! We don't have to get through every slide in every PowerPoint. I would MUCH prefer to have students that are engaged.

Class Structure: Class begins at 6:00 p.m. in room 152 Alderson Hall (Chemical Engineering, the yellow brick on the SE corner of Illinois and 16th). Each class will begin with a 20-minute question and answer session that covers previous week's lesson followed by a 20-minute quiz. After the quiz there will be a 10-minute break. The remainder of the class will be devoted to new material.

There is no textbook for this course.

Guest Lecturers: This course covers a wide variety of topics. No one could possibly be an expert in all of them. Guest lecturers have been invited to speak throughout the course on their particular areas of expertise.

Grading System: Each class begins with a short quiz that covers the previous week's lesson. Occasionally, a homework assignment will be given in place of the quiz. Quizzes and homework count towards seventy percent (70%) of your final grade. The remaining thirty percent (30%) is the State of the Art project. The SOA project will culminate in a brief paper and an approximately six (6) minute presentation during the last class of the semester. *You must be present to hear everyone's presentations.*

There is no mid-term and no final exam for this course.

Achieving an A in this course will require an 85% course average for undergraduate students and a 90% course average for graduate students.

Quizzes: Quizzes are open book and open note. They each have five questions and one bonus question. Questions may be taken from the lecture, handouts, and other materials. It is possible to score 120% on each quiz if the bonus question is answered correctly. In other words, there is a lot of room for error. *We don't learn from our successes, we learn*

from our mistakes. I have a low tolerance for blanks on the quiz. If you don't know, guess. If you can't guess, try to make me smile. It could be worth a point.

Quiz answers should be limited to fifteen (15) words or less. You may ask questions during the quiz, but keep in mind that both the question and the answer will be repeated to the entire class. Bonus questions are meant to be challenging. Don't complain about them.

Success on the quizzes depends on **regular class attendance**. Reading the book and other materials is a poor substitute for coming to class. However, life sometimes gets in the way and it becomes necessary to miss a class or two. **Everyone in here needs to find a partner/buddy before they leave tonight.** Your partner will be responsible for taking notes or recording the class for you when you need to miss. You will in turn be responsible for your partner. **Exchange contact information.**

For most lectures, I'll wear a headset and record the lecture directly into the PowerPoint presentation. These will be published on-line each week. Guest lecturers will NOT be recorded. Recording the lectures is a way to help facilitate note-taking and should not be viewed as license to skip class. Realize that technology and good intentions are not fool proof.

If you need to miss a class, you will also need to make up the quiz. **You may not make up more than four (4) quizzes during the entire semester.** If you arrange to take the quiz early, this will count as if you had actually attended the class. If you take the quiz late (after the rest of the class), then your highest possible score on the quiz will be limited to either the class average or your personal average; whichever is lower. Quizzes must be taken within two (2) weeks of the original class date. They may be taken via e-mail.

Field Trips: There are five (5) field trips **tentatively** scheduled throughout the semester. Only one of these will be during regular class hours and is mandatory. All other field trips are voluntary; however, you are highly encouraged to attend. Nothing teaches concepts like seeing them in practice. If you attend a field trip outside of regular class hours **and** write a half page about what you learned, you can skip the quiz for that week and get an automatic 10 points.

Seating Chart: Please write your name legibly on the seating chart that I am passing around now. The seating chart will help me to learn your names quickly and will aid guest lecturers. If you don't like your seat, now is a good time to move.

Web Site: Reading assignments, copies of presentations, and handouts will be posted on my web site at <http://www.indigowatergroup.com> On the left hand side of the main page, there is a button/link labeled "CSM Portal".

Office Hours: As an adjunct professor, I do not have an office on campus. I will *generally* be available at the Higher Grounds Coffee shop on 14th Street from 3:00 pm until 5:45 pm on Wednesdays. Occasionally, other work commitments will prevent my being there. Missed quizzes can be made up during office hours or by making other arrangements.

I carry a smart phone (303.489.9226) and check e-mail (sidney@indigowatergroup.com) many times daily. You may also call either my office phone or cell phone any time between 8:00 am and 9:00 pm seven days a week.