

**Dr. Tait Chirenje**

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**Meeting times:** MW 6:00 – 7:50pm (B 015)

**Office hours:** TR: 12:50 – 2:20pm or by appointment if these times are inconvenient

**Text:** *None. Reading Materials will be provided on WebCT.*

**Grading:** Grades will be based on participation, assignments, class quizzes, case study report and a final exam.

	<b>% of total grade</b>
Class and WebCT participation:	15
Quizzes:	25
Assignments:	15
Case study report:	15
Final Exam:	<u>30</u>
<b>Total:</b>	<b><u>100</u></b>

### **Objectives and brief description of class**

The main objective of this class is to introduce you to the most common forms of environmental pollution, their sources, persistence in the environment, pollution prevention, and regulation and clean-up of contaminated soils, air and water systems. Case studies will be used to demonstrate how different communities have dealt with specific kinds of pollution. Students are required to write a term paper outlining a case study dealing with pollution of a medium of their choice and how local and federal laws were used in effecting remediation.

### **How to do well in this class**

- a. Attend all classes. I sometimes give extra credit problems in class. These extra credit problems can improve your class grade by up to 5%.
- b. Do the assigned readings. Quizzes assume knowledge of materials in these readings.
- c. Communicate with me if you are having problems with class material.
- d. Listen well and take notes during class discussions and films.
- e. Follow instructions for assignments (page and spacing requirements, due dates etc).
- f. Participate; 15% of your grade is based on participation (class and WebCT).
- g. Keep up with class work. All my tests and quizzes are cumulative. They assume knowledge of material covered from the beginning of class to date of quiz / test.
- h. Keep me informed if you have a family emergency.

### **Attendance**

Strongly encouraged. Although I do not take attendance, my quizzes and exams will assume knowledge of material covered in class (not all notes will be on WebCT). We will have regular quizzes and write-ups. There will be no make-up quizzes for unexcused absences (examples of valid excuses include family emergencies and doctor's appointments). Your lowest quiz grade will be excluded from your class grade.

### **Lab / Field trips and Guest Speakers**

We will not be going on any trips since we meet at 6pm. However, I will bring in guest speakers who are working in the environmental field to talk to you about issues of environmental interest.

### **Academic Honesty**

When you enrolled at Stockton, you were asked to read and pledge to abide by Academic Honesty rules. All the assignments and papers that you hand in will be checked for plagiarism using software that the college provides.

### **Incomplete grades**

The instructor will only award an “incomplete grade” if you have written documentation from a Student Affairs counselor specifying that he/she recommends the award of such a grade. If you encounter problems that warrant such a grade, e.g. medical or family emergencies, you will need to speak with a counselor and have them contact me. I will then work with you to ensure that you complete the required coursework and get a fair grade for the class.

I will keep you informed on your progress in the class through the “My Current Grade” tool in WebCT. Feel free to check with me for a progress update on your grade during the semester.

### **Schedule**

<b>Week</b>	<b>Lecture</b>
1	Introduction to pollution
2-3	Toxicology and risk
4,5,6	Water pollution common water pollutants and their impact on human health and environment sources of water pollutants (agriculture, industry, military, municipal wastewater), case studies regulation and prevention of water pollution common groundwater remediation technologies
7, 8,9	Air pollution common air pollutants and their impact on human health and the environment sources of air pollutants local and global effects of air pollution (acid rain, greenhouse gases, ozone depleting substances) regulation and prevention of air pollution (local and global)
10, 11, 12	Soil pollution and waste management common soil pollutants and their impact on human health and environment hazardous and special waste waste generation, disposal, regulation and clean-up.
13	Other issues
14	<a href="#">Review / Final Exam</a>

**The extent of coverage and the order in which these topics are presented are subject to change at the instructor’s discretion.**