

CHEM 3504, Intro Environmental Chemistry Fall-2021 (TR: 11:00 – 12:20 am)

Instructor: Dr. J. SHAO

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Bolin Science Hall, 307E
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Teaching materials can be downloaded from D2L.

Zoom Meeting: <https://msutexas-edu.zoom.us/j/95723698681>

Office Hours: 1:00 – 4:00 pm (TR)

Text(s): Required: *Chemistry of the Environment: Spiro, Purvis-Roberts, Stigliani, 3rd ed., Published by University Science Books, 2012*

Prerequisites: CHEM 1241 and 1243

Grading Procedure:

3 One-hour Exams @ 100 pts each	300 (42.8%)
Final Exam @ 200 pts	200 (28.6%)
10 Pop Quizzes @ 20 pts each	200 (28.6%)

Grading Scale:

A: > 90%; B: 80 – 89%; C: 70 – 79 %; D: 55 – 69 %; F < 55% (of total points)

Attendance Policy:

Attendance is required as stated in the Student Handbook. Excessive unexcused absences will result in an instructor drop with a grade of “F”. **Under no circumstances will make-up exams or extra assignments be given. Make-up for major exams will be given for *excused absence only*.**

General description of this course:

A systematic study of the important chemical principles applicable to different environmental systems; including considerations of the sources, detection, treatment and prevention of air, water, and soil pollution.

Academic Dishonesty:

Cheating on any exam, quiz or lab report will be regarded as academic dishonesty and will be subject to a final course grade of “F”.

Tentative Lecture Schedule (changes may be made)

Date(s)	Chapter	Topic
Aug 24 – 26	1 & 2	Sustainability and Green Chemistry
Aug 31 – Sept 07	7 & 8	Energy Flow and Fossil Fuels
Sept 09 – 14	9	Nuclear Energy
Sept 16 – 21	10 & 11	Renewable Energy and Energy Utilization
Sept 23	<i>TEST-1</i>	<i>Chapters 1, 2, 7 – 11</i>
Sept 28 – 30	3	Earth’s Atmosphere
Oct 05 – 07	4	Global Warming and Climate Change
Oct 12 – 14	5	Chemistry of Troposphere
Oct 19 – 21	6	Chemistry of Stratosphere
Oct 26	<i>TEST-2</i>	<i>Chapters 3 – 6</i>
Oct 28 – Nov 02	12	Water Resources
Nov 04 – 09	13	Water Pollution and Treatment
Nov 11 – 18	14	Planet Earth: Rocks, Life and Energy
Nov 23	15	Earth’s Soil and Agriculture: Feeding the Earth’s People
Nov 25	<i>No Class</i>	<i>Thanksgiving Holiday</i>
Nov 30	15	Earth’s Soil and Agriculture: Feeding the Earth’s People
Dec 02	<i>TEST-3</i>	<i>Chapters 12 – 15</i>
Dec 07	Final Test	Comprehensive, 1:00 – 3:00 pm (Bolin-304)

Classes begin..... August 23, 2021
 Change of Schedule or Late Registration..... August 23-26, 2021
 Labor Day Holiday - No classes..... September 06, 2021
 Deadline for December graduates to file for graduation.....September 27, 2021
 Last day to drop with a “W” – Drops after this date will receive grades of “F”October 25, 2021
 Thanksgiving HolidayNovember 24-26, 2021
 Classes resume.....November 29, 2021
 Last day of classes..... December 03, 2021
 Final examinations..... December 06-09, 2021
 Commencement..... December 11, 2021

Rules for COVID-19:

Due to pandemic of COVID-19, all students are strongly recommended to wear face-coverings when attending this course.

Campus-Carry Rules:

Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Area excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage at <http://mwsu.edu/campus-carry/rules-policies>.