

THREE RIVERS COMMUNITY COLLEGE
PRINCIPALS OF ENV SCIENCE/ENVIRONMENTAL STUDIES - BIO K180
CRN 31023 FALL 2017 T&Th
PROPOSED SCHEDULE

Text: Environmental Science 13TH Edition. Authors: Richard T. Wright and Dorothy F. Boorse.

Instructor: Diba Khan-Bureau, Office: C264

Tuesday and Thursday 9:30 AM-10:45 AM, Room D102

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You can visit Blackboard for the course outline and other instructional material.

This is a basic course in environmental studies that introduces ecological principles and a global perspective on environmental problems such as deforestation, global climate change, droughts, floods, soil erosion, loss of biodiversity, and pollutants. It describes, in detail, the study of the biological and physical aspects of the environment and related issues, highlighting sound science, sustainability, and stewardship. Additionally, this course emphasizes a global and cross-cultural perspective on issues pertaining to environmental science, including discussions on human population expansion, environmental racism, socioeconomic stratification, global stewardship, social modernization, and establishing a framework for a sustainable future. We will be talking about environmental politics!

DIGICATION Requirements:

All students are required to maintain an online learning portfolio in Digication that uses the college template. Through this electronic tool students will have the opportunity to monitor their own growth in college-wide learning. The student will keep his/her learning portfolio and may continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select and review random works to improve the college experience for all. Student work reviewed for assessment purposes will not include names and all student work will remain private and anonymous for college improvement purposes. Students will have the ability to integrate learning from the classroom, college, and life in general, which will provide additional learning opportunities. If desired, students will have the option to create multiple portfolios. Visit TRCC website go to Learning Resources and then scroll down to ePortfolio to learn more about this

One Saturday (TBD) in Oct we will do the Rapid Bioassessment in Salem, Lyme, East Haddam!! Counts as a quiz.

- READING MATERIAL WILL BE FROM ENV SCI TEXTBOOK AND SUPPLEMENTAL MATERIAL.
- QUIZZES WILL BE BASED ON LECTURE, READING MATERIAL, AND VIDEOS.
- **REGULAR ATTENDANCE AND CLASS PARTICIPATION IS EXPECTED OF EACH STUDENT.**
- EXTRA CREDIT MAY BE OFFERED AS AN OPTION.
- **SOME FIELD WORK REQUIRED - DATES TBD.**

Week	Topic	Chapter Reading/HW Essay due Every Week
1 Aug 29 & 31	Introductions 1) Sustainability, Stewardship, and Sound Science Video	Read for next week 1, 2, 3 Chose 1 chapter for Essay
2 Sept 5 & 7	2) Economics, Politics, and Public Policy 3) Basic Needs of Living Things	Read for next week 4, 5 Essay assign. 2
3 Sept 12 & 14	4) Populations and Communities 5) Ecosystems: Energy, Patterns, Disturbance	Read for NW 6, 7 Essay assign. 3
4 Sept 19 & 21	6) Wild Species: Biodiversity & Protection 7) The Use and Restoration of Ecosystems	Read for NW 8, 9 Essay 4
5 Sept 26 & 28	Wetlands Supplementary 8) The Human Population	Read for NW 10 Supplementary Essay 5
6 Oct 3 & 5	9) Population and Development	Read for NW 20 Essay 6
7 Oct 10 & 12	10) Water: Hydrologic Cycle 20) Water Pollution and Prevention	Read for NW 11, 12 Essay 7
8 Oct 17 & 19	CT Forests, supplementary presentation 11) Soil & Soil Ecosystems 12) The Production and Distribution of Food	Supplementary Read for NW 14, 16 Essay 8
9 Oct 24 & 26	14) Energy From Fossil Fuels 16) Renewable Energy	Read for NW 17 Essay 9
10 Oct 31 Nov 2	17) Environmental Health Start Library Research work for Group Presentation	Read for NW 18, 19 Essay 10
11 Nov 7 & 9	18) Global Climate Change 19) The Atmosphere: Pollution	Read for NW 20 Essay 11
12 Nov 14 & 16	Video: The Air We Breathe 20) Provide an Outline of Presentation	Read for NW 21
13 Nov 21 & 23	22) Sustainable Communities Complete discussions on chapters and other pertinent issues NO CLASS on the 23rd	
14 Nov 28 & 30	Group Presentations: Hand in Presentations Final – take home handed out Homework Assignments & presentations uploaded on ePORTFOLIO!	
15 Dec 5 & 7	Finish Group Presentations: Hand in Presentations Finals are due on Digication and provide a hard copy!	FINAL DUE

Course Outcomes:

1. Understand the natural environment and its relationships with human activities.
2. Characterize and analyze human impacts on the environment.
3. Integrate facts, concepts, and methods from multiple disciplines and apply to environmental problems.
4. Acquire practical skills for scientific problem-solving, including field instrumentation and equipment and computer applications.
5. Evaluate strategies, technologies, and methods for sustainable management of environmental systems and for the remediation or restoration of degraded environments.

The Library Research Work and Group Presentations are mandatory for a passing grade.

PLEASE NO CELL PHONE USAUGE WHILE IN CLASS. No devices including laptops allowed unless with a Medical Doctors note.

Withdrawal: http://www.trcc.commnet.edu/Div_academics/Admin/calendar.shtml

Please ensure that you are familiar with and follow the student's handbook regarding attendance, plagiarism, student behavior and the like. This information can be found at: http://www.trcc.commnet.edu/Gen_Info/PolicyLinks.htm

Incomplete: An incomplete must be finished within 60 days of the last day of the semester.

Disabilities: If you have a disability that may affect your class performance please come see me as soon as possible.

No quiz makeup without prior approval.