HSC 436 Environmental Health
Dr. Rust Fall 2017

Department of Kinesiology and Health Science
HSC 436 001 - Environmental Health
Fall 2017

Instructor: Dr. Dawn Ella M. Rust  
Course Time & Location: TTh 8-9:15 in Rm 223  
Office: HPE Rm 215  
Office Phone: (936) 468-1495  
Office Hours: MW 1-1:30; TTh 1-2 & 3:15-4:15  
Other Contact Information: (936) 468-3503  
Email: drust@sfasu.edu  
Credits: 3 hours  
Prerequisites: 9 hours of HSC; 4 hours of BIO

I. Course Description: This course examines factors in the environment that impact human health. This course is designed to explore the ways in which mankind may control the environment in order to minimize deleterious effects on health and quality of life.

II. Intended Learning Outcomes/Goals/Objectives (Program/Student Learning Outcomes):

This course links with SFA’s Envisioned Goal 2: Our students will be engaged and empowered. This course links with SFA’s PCOE Goal 1: We will provide transformational experiences for our students.

This course links with SFA’s Envisioned Goal 5: We will be an innovative university. This course links with SFA’s PCOE Goal 5: We will provide academic and co-curricular innovations.

Program Learning Outcomes (Community Health):
1. The student will be able to plan and evaluate a community/classroom-based health lesson (NCHEC I, II, IV).
2. The student will construct professional documents (resume and cover letter) to be used as a personal career-marketing tool for employment opportunities (NCHEC VII).
3. The student will demonstrate the knowledge and skills to search for and write a grant proposal to address a specific health-issue (NCHEC I, II, IV, VII).
4. The student will be able to communicate health information (NCHEC VI).
5. The student will design and implement a health behavior change plan that they will monitor for the semester (NCHEC I, II, III).

Student Learning Outcomes - The student will be able to:

- Describe the general relationship between the environment and people’s health
- Describe the basic requirements of a healthy environment
- Provide examples of social and economic conditions that adversely affect health
- Describe the direct and indirect health effects associated with different energy development
- Identify components of a built environment
- Analyze climate change (NCHEC I, II)
III. Course Assignments, Activities, Instructional Strategies, use of Technology:

ENVIRONMENTAL HOT TOPIC (NCHEC I, III, IV) - Teams of FOUR students will be created. Each team will choose an Environment Hot Topic “issue” to analyze the impact on of the issue on the “community”. The analysis will require the following:

• Find a reliable assessment tool to generate a “score” to measure the extent of the issue
• Summarize three peer-reviewed articles that describe the impact of the issue on the environment/community
• Identify and defend two state and/or national agencies/organizations that would provide support for the issue
• Development of a questionnaire (five questions) for a Key Informant to assess their view of the issue in the community
• “Meet” with one to two “approved” Key Informant to administer questionnaire and summarize responses
• Photo Voice – Provide three pictures of how the community is positively responding to the issue and three pictures of the negative impact of the issue in the community (in presentation provide rationale for each picture)
• Present findings in class in a PowerPoint format

WORTH 100 POINTS
A rubric will be posted on D2L and will be discussed in class.

CLIMATE OF CHANGE WORKSHEET (CHW) (NCHEC 1, III, IV) – Each student will answer the ten questions from the book Climate of Hope Worksheet found on D2L. All responses must be typed (ds with 1” margins). Cite sources using APA. YOU CANNOT cite Wikipedia as your source. Must submit a hard copy on the DUE Date for each response (See Section V of the syllabus and the D2L calendar for the ten DUE Dates). Each question is worth 5 points.
WORTH 50 TOTAL POINTS

CITY OF NACOGDOCHES MEETING (NCHEC VI) – You must attend either a City of Nacogdoches Planning or Zoning (P&Z) Board Meeting, a City Commissioner’s Meeting, or a Parks Board Meeting. After you attend the meeting you will submit a 1/2-1 (typed, DS) page summary of the meeting. Plus, ATTACH a Meeting Agenda. P&Z and City Commissioner’s meetings are located at 202 E. Pilar Street. Parks Board Meetings are located at 1112 North Street.
• P&Z meet at 5 pm on the second Monday of each month
• City Commissioner’s meet @ 5:30 pm on the first and third Tuesdays of each month.
• Parks Board Meetings TBA
WORTH 5 points.

EXAMS - There will be three in-class exams worth 100 points each. Exams may include a variety of question types including multiple choice, true/false, short answer, and essay. Proper spelling, grammar, and punctuation are expected. Exams are administered at the beginning of a class period. Students who arrive late for an exam (one or more students has completed and turned in the exam) will not be allowed to take the exam and will receive a “0.” Exams will be administered using
Scantron sheets and/or paper test forms. **You are required to bring a Scantron form 882-E to each exam with a #2 pencil.** See Section V for exam content.

**EXTRA CREDIT/PARTICIPATION (ECP) –** You are eligible for a maximum 5 ECP points - **Will be used for attendance AND participation purposes.** IF YOU ARE NOT IN CLASS FOR AN ECP YOU WILL NOT BE ELIGIBLE TO MAKE IT UP (unless school sponsored event). Every tardy equates to a deduction of 1 ECP point. For example, if you are tardy 4 times the maximum ECP points will be 1. **BE IN Class ON TIME!** Format - The first page will include your name and a Table of Content; stapled to the front page in the order of the Table of Content should be the assignments. See Section V of the syllabus and the D2L calendar for submission date.

**IV. Evaluation and Assessments (Grading):**

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<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Grading Scale</th>
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</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
<td>A = 90%+</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
<td>B = 80-89%</td>
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<tr>
<td>Exam 3</td>
<td>100</td>
<td>C = 70-79%</td>
</tr>
<tr>
<td>Env. Hot Topic</td>
<td>100</td>
<td>D = 60-69%</td>
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<tr>
<td>Climate of Hope Worksheet</td>
<td>50</td>
<td>F = Below 59%</td>
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<tr>
<td>P &amp; Z Board Mtg</td>
<td>5</td>
<td>Below 273</td>
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<tr>
<td>Course Evaluation</td>
<td>2</td>
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**FINAL POINT TOTAL** 457 points

Attendance (See Section V for how ECP can and will be used for attendance).
**V. “DUE Dates” Outline/Calendar (ALL ASSIGNMENTS ARE DUE DURING CLASS TIME):**

<table>
<thead>
<tr>
<th>Assignment &amp; DUE date</th>
<th>“Tentative” topic covered</th>
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</thead>
</table>
| 1  
- Orientation on & purchase [*Climate of Hope (CH) on-line* T, August 29th](#)  
- Seating Chart on Th, August 31 | Orientation; How does policy, system changes, and environmental changes (PSE) influence health? D2L – Lecture1.ppt |
| 2  
Team assignment on T, Sept. 5 | What does a walkable/bikeable community look like?; understanding walk/bike safety; sidewalk standards D2L – Lecture2.ppt; Lecture 3 BikeWalk.pptx |
| 3  
Team submit Hot Topic on Th, Sept. 14th | Bike standards; greenways and shared-use path requirements D2L – Lecture 3 BikeWalk.pptx |
| 4  | What are the 5 E’s of a built env? D2L – Lecture 3 BikeWalk.pptx |
| 5  | Built env activities and review |
| 6  
CHW 1 & 2 DUE T, OCT. 3 | Intro: The env at risk D2L – 1 Intro.pptx |
| 7  
- Key Informant Questionnaire  
  DUE by T, Oct. 10  
- CHW 3 & 4 DUE TH, Oct. 12 | Env at risk; Env Epi – what is it?; Pop & env D2L – 1 Intro.pptx & 2 EnvEpi.pptx |
| 8  
CHW 5 & 6 DUE Th, Oct. 19 | Discuss CH book |
| 9  
CHW 7 & 8 DUE Th, Oct. 26 | Pesticides D2L – 3 Pesticides.ppt |
| 10  | Pesticides (cont.) and review |
| 11  
CHW 9 & 10 DUE Th, Nov. 9 | Discuss CHW 10 |
| 12  
Hot Topic presentations begin on T, Nov. 14th | Radiation D2L – 4 Radiation.pptx |
| 13  | NO CLASS on T & Th, Nov. 21 & 23 (Thanksgiving) |
| 14  | Summary of P & Z Board Meeting  
  DUE T, Nov. 28th | Water Quality  
  5 Water.pptx |
| 15  | ECP DUE T, Nov. 30th | Air Quality D2L – 6 Air.ppt |
| 16  | Eval DUE Sun, Dec. 10 by 11:59 pm  
  *Exam #3 on Th, Dec. 14 @ 8 am* |  |

**VI. Readings (Required and recommended—including texts, websites, articles, etc.):**


**D2L – REQUIRED FOR SUCCESS!**
VII. Course Evaluations:

Near the conclusion of each semester, students in the Perkins College of Education (PCOE) electronically evaluate courses taken within the PCOE. Evaluation data is used for a variety of important purposes including:

1. Course and program improvement, planning, and accreditation;
2. Instruction evaluation purposes; and
3. Making decisions on faculty tenure, promotion, pay, and retention.

As you evaluate this course, please be thoughtful, thorough, and accurate in completing the evaluation. Please know that the PCOE faculty is committed to excellence in teaching and continued improvement. **Therefore, your response is critical AND IS WORTH 2 POINTS (REQUIRED not optional)!**

In the PCOE, the course evaluation process has been simplified and is completed electronically through MySFA. Although the instructor will be able to view the names of students who complete the survey, all ratings and comments are confidential and anonymous, and will not be available to the instructor until after final grades are posted.

VIII. Student Ethics and Other Policy Information: Found at http://www.sfasu.edu/policies/

**Attendance and Excuse Absence: Policy 6.7**

Regular, punctual attendance, documented participation, and, if indicated in the syllabus, submission of completed assignments are expected at all classes, laboratories, and other activities for which the student is registered. Based on university policy, failure of students to adhere to these requirements shall influence the course grade, financial assistance, and/or enrollment status. The instructor shall maintain an accurate record of each student’s attendance and participation as well as note this information in required reports (including the first 12 day attendance report) and in determining final grades. Students may be excused from attendance for reasons such as health, family emergencies, or student participation in approved university-sponsored events. However, students are responsible for notifying their instructors in advance, when possible, for excusable absences. Whether absences are excused or unexcused, a student is still responsible for all course content and assignments. Students with accepted excuses may be permitted to make up work for up to three weeks of absences during a semester or one week of a summer term, depending on the nature of the missed work. Make-up work must be completed as soon as possible after returning from an absence.

- See Section V for how ECP can and will be used for attendance.
Academic Accommodations for Students with Disabilities: Policy 6.1 and 6.6

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004/468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/

Student Academic Dishonesty: Policy 4.1

Abiding by university policy on academic integrity is a responsibility of all university faculty and students.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes, but is not limited to:
• using or attempting to use unauthorized materials on any class assignment or exam;
• falsifying or inventing of any information, including citations, on an assignment; and/or;
• helping or attempting to help another in an act of cheating or plagiarism.

Plagiarism is presenting the words or ideas of another person as if they were one’s own. Examples of plagiarism include, but are not limited to:
• submitting an assignment as one’s own work when it is at least partly the work of another person;
• submitting a work that has been purchased or otherwise obtained from the Internet or another source; and/or,
• incorporating the words or ideas of an author into one’s paper or presentation without giving the author credit.

Penalties for Academic Dishonesty
Penalties may include, but are not limited to reprimand, no credit for the assignment or exam, re-submission of the work, make-up exam, failure of the course, or expulsion from the university

Student Appeals
A student who wishes to appeal decisions related to academic dishonesty should follow procedures outlined in Academic Appeals by Students (6.3).

Withheld Grades: Policy 5.5

At the discretion of the instructor of record and with the approval of the academic unit head, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F, except as allowed through policy [i.e., Active Military Service (6.14)]. If students register for the same course in future
semesters, the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

**Student Code of Conduct: Policy 10.4**

Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the iCare: Early Alert Program at SFA. Information regarding the iCare program is found at [https://www.sfasu.edu/judicial/earlyalert.asp](https://www.sfasu.edu/judicial/earlyalert.asp) or call the office at 936-468-2703.

**Additional Information**

To complete Certification/Licensing Requirements in Texas related to public education and other professional settings, you will be required to:

1. Undergo criminal background checks for field or clinical experiences on public school campuses; the public school campuses are responsible for the criminal background check; YOU are responsible for completing the information form requesting the criminal background check. If you have a history of criminal activity, you may not be allowed to complete field or clinical experiences on public school campuses. At that point, you may want to reconsider your major while at SFASU.

2. Provide one of the following primary ID documents: passport, drivers license, state or providence ID cards, a national ID card, or military ID card to take the TExES exams (additional information available at [www.texas.ets.org/registrationBulletin/](http://www.texas.ets.org/registrationBulletin/)). YOU must provide legal documentation to be allowed to take these mandated examinations that are related to certification/licensing requirements in Texas. If you do not have legal documentation, you may want to reconsider your major while at SFASU.

3. Successfully complete state mandated a fingerprint background check. If you have a history of criminal activity, you may want to reconsider your major while at SFASU.

For further information concerning this matter, contact Katie Snyder 936-468-1740 or snyderke1@sfasu.edu.
IX. Other Relevant Course Information:

ALL ASSIGNMENTS ARE DUE DURING CLASS TIME. NO LATE ASSIGNMENTS WILL BE ACCEPTED – this is a 400 level class! MY PHILOSOPHY OF TEACHING AND GRADING IS SUCH – "FIX IT BEFORE IT'S BROKE!" I WILL PROVIDE YOU WITH FORMATIVE FEEDBACK, BUT WHEN AN ASSIGNMENT IS DUE, THAT'S IT, NO REVISIONS/CORRECTIONS WILL BE ALLOWED AFTER THAT POINT!

Respect your instructor, your classmates, and yourself!

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• Refer to PCOE website for master list of standards.