Syllabus

EES 700: Research Ethics
Fall 2006
Room 327 Fort Interdisciplinary Research Center (IRC)
Class Meets: Wednesdays, 12:00-12:50pm

Co - Instructors

C. Anyansi-Archibong, Ph. D.                              K. Schimmel, Ph. D.
Professor, School of Business and Econ.,            Director, Energy and Env. Studies
LANGURE Institutional Leader                         Office: 100 Bluford Library
Office: 341 Merrick Hall                                       Office Hours: tba
Office Hours: tba                                                   Phone: 256-2341 ext.2493
Phone: 334-7656 ext.4025

Course Objectives:

The purpose of this course is to help students understand the policies regulating research at land grant universities (LGUs) and the ethical principles on which these policies are based. North Carolina A & T State University is one of the eight institutions participating in the NSF sponsored Program, land grant University research ethics (LANGURE). This course is therefore adapted from the LANGURE core course syllabus.

The course will fulfill its objectives if, after completing it, students have the ability to explain:

1. The research mission of land grant universities;
2. Ethical principles supporting research policies;
   a. What is ethics? Interests, harms, choices, customs, science, law, professional codes;
   b. Four ethical principles and their justifications;
   c. A method for analyzing ethical arguments and making decisions
3. Policies regulating research;
   a. Mentoring, and under-represented minorities and women in research;
   b. Use of humans in research;
   c. Use of animals in research;
   d. Research misconduct, and appropriate responses, including whistle-blowing;
Rationale:
Why take a course in Research Ethics?

- Success as a researcher requires knowing how to make responsible choices and conduct oneself with integrity
- Every profession has a code of ethical conduct it requires each member to observe
- Many graduate departments require these courses
- The Federal funding agencies and the Graduate Schools in the NC systems strongly recommend them*
- Studying research ethics is intrinsically rewarding
- There are many employment opportunities in research ethics
- It will enhance grant opportunities to include this in your proposal*

Required texts:
Most required readings are on line at:
www.chass.ncsu.edu/ethics/langure/Corecourse.htm
http://courses.cs.vt.edu/~cs3604/lib/
http://ethics.acusd.edu/index.asp
http://onlineethics.org/
http://ethics.tamu.edu/
http://www.niee.org.murdoughCenter/
http://repo-nt.tcc.virginia.edu/ethics/

Credit Hours, Grading, Attendance and Punctuality:

This is a one credit hour course. Attendance is important and punctuality is encouraged. Grading is on the A, B, C, D, F. grading system (90+ = A; 80-89 = B; etc). Students will be evaluated as follows:
Mini Cases………………50%
Mid Term Exam…………..25%
Final Exam………………..25%
Prerequisites:

Graduate standing. Other students may register with consent of instructors

Format: The course will be taught as a seminar. Students will be required to complete the online readings and come to class prepared for discussions. There are two major sections to this course—the general research ethics section and the discipline specific section. In some situations students using or likely to use humans or animals in research may be required to complete an online tutorial (Basic training for personnel involved in Human and Animal Research).

Course Web Site is currently located with the LANGURE lead Institution- NC State University:  [www.chass.ncsu.edu/ethics/langure/Corecourse.htm](http://www.chass.ncsu.edu/ethics/langure/Corecourse.htm)

Academic Integrity:

The North Carolina A & T State University Student Code of Conduct is covers all work done in this course. See the Aggie Compact at [www.ncat.edu](http://www.ncat.edu). Any violations must be reported and academic dishonesty will result in an automatic failing grade for the course.

Schedule:

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading for Discussion/Assignment</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/24</td>
<td>Introduction to the course; Introduction to research at land grant universities</td>
<td>Pre-test (optional) Reading: “Ethics can be gauged by three key rules” By D. B. Tinsley, Handout</td>
<td>Drs. Archibong/Schimmel</td>
</tr>
<tr>
<td>8/30</td>
<td>Introduction to Ethics</td>
<td>Comstock, Introduction to ethics. “Principles supporting ethics policies”</td>
<td>Dr.  A. Archibong</td>
</tr>
<tr>
<td>9/6</td>
<td>Egoism and the virtues: From my interest to group interest</td>
<td>Comstock, Egoism and the virtues: Lecture 3: Four Principles</td>
<td>Dr.  A. Archibong</td>
</tr>
<tr>
<td>9/13</td>
<td>Utilitarianism: From group interest to all interests; <strong>Introduction to professional code</strong></td>
<td>Comstock, “Utilitarianism” Lecture 3 cont. Reading: “Pharmaceutical companies: Intellectual property and the global AIDS Epidemic” handout/source WHO</td>
<td>Drs.  A. Archibong and K. Schimmel</td>
</tr>
<tr>
<td>9/20</td>
<td>Moral Rights; Making ethical decisions: a method</td>
<td>Lecture 4 other reading: “Thinking Ethically: framework for moral</td>
<td>Dr.  A. Archibong</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td>Details</td>
<td>Instructor</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>9/27</td>
<td>Mentoring, Authorship and Peer Review</td>
<td>Lectures 5 and 9. Reading: “Ethics: Time to revisit the basics” by Gregory Foster handout</td>
<td>Dr. A. Archibong</td>
</tr>
<tr>
<td>10/4</td>
<td>Research Misconduct, Intellectual property, Use of Humans and animals, Conflict of interest.</td>
<td>University Compliance and Lectures 8, 10, 11, Reading: “The case of Nike and the Human Rights Issue/ McGraw-Hill publication</td>
<td>Dr. A. Archibong and Ms. D. Eaton (University Compliance Officer)</td>
</tr>
<tr>
<td>10/11</td>
<td></td>
<td>Mid Term exam</td>
<td></td>
</tr>
<tr>
<td>10/18</td>
<td>Experimental design and statistical interpretations</td>
<td>University Compliance: Intellectual property, Technology transfer, Proposal policies and other compliance issues continue Handouts</td>
<td>Ms. D. Eaton/ Louis Judge, III, (University Licensing Assoc./ Dr. A. Archibong)</td>
</tr>
<tr>
<td>10/25</td>
<td>Energy and environmental Professional Code of Conducts………</td>
<td>Case: “Should the national Wildlife Refuge be opened for oil Drilling” Source: Taking Sides; Environmental Issues</td>
<td>Dr. K. Schimmel</td>
</tr>
<tr>
<td>11/1</td>
<td>Energy and environmental Professional Code of Conducts………</td>
<td>Individual study session</td>
<td>Dr. K. Schimmel</td>
</tr>
<tr>
<td>11/8</td>
<td>Professional………</td>
<td>Case: “ Union Carbide Corporation and Bhopal, India”—International Justice for Bhopal Community website</td>
<td>Dr. K. Schimmel</td>
</tr>
<tr>
<td>11/15</td>
<td>Professional………</td>
<td></td>
<td>Dr. K. Schimmel</td>
</tr>
<tr>
<td>11/22</td>
<td>Thanks giving holiday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/29</td>
<td>Overview</td>
<td>Guest Speaker</td>
<td>Dr. K. Schimmel and Dr. A. Archibong</td>
</tr>
</tbody>
</table>