Course: Scientific Integrity BE7067002
Term: Summer 2019
Professor: Jane Strasser, Ph.D.
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Grading
To receive a "Pass" for this course, you must complete all of the modules, participate in each of the case study discussion board topics (online). Failure to complete all of the requirements will result in an Incomplete or "Fail" for the course.
NOTE THIS COURSE DOES NOT MEET THE NIH REQUIREMENT. If you would like to meet the NIH mandate please register for the 2 credit hour section that includes in person discussion.

Course Objectives
This course provides an overview of the ethical norms and regulatory issues that serve as the foundation of the responsible conduct of research (RCR). After completing this course, you will be able to:

1. Describe research ethics and how it impacts every aspect of research.
2. Summarize historical human subjects' research abuses and the rationale for regulations/protections for clinical research participants.
3. Identify conflicts of interest and explain how to apply preventive and management strategies.
4. Identify resources both within and outside of the University of Cincinnati for guidance with infectious agents and/or recombinant DNA, authorship, intellectual property/patents, vertebrate animal research, data management, research misconduct, and FDA regulated research.
5. Explain the IRB's function and IRB procedures.
6. Describe the elements of the informed consent process and implement strategies to protect vulnerable subjects.
7. Critically analyze real world case studies in research ethics.

Course Requirements
1. **E-learning Modules**
    This course contains e-learning modules, which are Flash movies that include audio, video, and quiz questions (multiple choice, true or false, and fill-in-the-blank). **To receive full credit, you must complete all quiz questions and view every slide in each of the modules.** The quiz questions themselves are not graded, but they must be completed. Blackboard will record your latest attempt, so you may complete the modules more than once. Additionally, if you start one, you may close it and return to finish it later. ***You will need the latest version of Flash Player to view the modules.*** Because these modules communicate with Blackboard to track your progress (and depending upon the speed of your Internet connection), they may take a few minutes to load.

2. Discussion Board

Responsible Conduct of Research and professional development are not static topics; there are many shades of grey and differing opinions/interpretations. Blackboard's Discussion Board feature allows us to have an ongoing conversation on several case studies. Since these conversations will take place asynchronously (everyone will post responses at different times), you have ample time to construct a thoughtful response. Forums will be available approximately one week before responses are due.

Your original post is worth up to 6 points and will be graded following the rubric below. Your reply to at least one classmate is worth up to 4 points. Please keep all feedback respectful and constructive—any inappropriate or derogatory language will not be tolerated and may result in a "Fail" for the course. If you are unsure of how to post to the board, please refer to the **Online Student Guide** in Blackboard.

Points	Discussion Board Post Grading Criteria
6	**Excellent:** Post shows critical thinking and stimulates the discussion. Provides examples and/or details to strengthen the response. Encourages other responses and brings new ideas to the table. Includes excellent grammar, spelling, organization of thoughts, and clarity.
4	**Good:** Post shows some critical thinking and occasionally encourages discussion. Organization of thoughts is clear, and writing is free of spelling/grammar errors.
2	**Average:** Post lacks clarity and occasionally wanders off topic. Uses personal opinion instead of examples/details to strengthen argument. Includes a few minor spelling/grammar errors.
1	**Minimal:** Post barely addresses topic and shows no critical thinking. Mainly based on personal opinion and includes multiple grammar/spelling errors.
0	**Poor:** Post shows no critical thinking and does not add anything valuable to the discussion. Consists almost entirely of personal opinion. Many grammar/spelling errors and poor word choices.

Weekly Schedule

Modules	Case Study Participation
Course Tour Module **Module 1: Ethics Overview (2 parts)** **Module released 1 June** Total Time: Approximately 30 minutes	Post your personal introduction to the discussion board by 11:59pm on 6/9/2019.
Module 2: Preclinical Research: Biosafety and Animal Research (2 parts) **Module released 3 June** Total Time: Approximately 31 minutes	

Module 3: Conflicts of Interest (2 parts) **Module released 7 June** Total Time: Approximately 29 minutes	Post your case study response to the discussion board by 11:59pm on 06/15/2019. Post your reply to another student to the discussion board by 11:59pm on 06/23/2019.
Module 4: Mentorship (2 parts) **Module released 12 June** **Module 5: Responsible Authorship (3 parts)** **Module released 18 June (intellectual property released 21 June)** Total Time: Approximately 1 hour, 30 minutes	
Module 6: Research Design, Data Management and Security (2 parts) **Module released 26 June** Total Time: Approximately 43 minutes	
Module 7: Research Misconduct (2 parts) **Module released 2 July** Total Time: Approximately 32 minutes	Post your case study response to the discussion board by 11:59pm on 07/11/2019. Post your reply to another student to the discussion board by 11:59pm on 07/17/2019.
Module 8: Human Subjects Research and the IRB (2 parts) **Module released 9 July** Total Time: Approximately 52 minutes	
Module 9: Cutting Edges: Stem Cell Research, Biobanking, and Genetics (3 parts) **Module released 16 July** Total Time: Approximately 52 minutes	Post your case study response to the discussion board by 11:59pm on 07/23/2019. Post your reply to another student to the discussion board by 11:59pm on 07/30/2019

Email Policy

Please direct content questions to the instructor. Emails will be answered within 24-48 hours, although often you will hear back within 12-24 hours. If you have a question about Blackboard or issues with the modules, please refer to the help documentation located in the **Online Student Guide**. Additionally, Blackboard Support is available every day of the week at 513-556-1602 or blackboard@uc.edu.