

October 31, 2018

John Carey, Chancellor
Ohio Department of Higher Education
25 South Front Street
Columbus, Ohio 43215

Dear Chancellor Carey:

The Ohio State University seeks approval to add additional Level I courses for students participating in the College Credit Plus program.

**NAME OF
COLLEGE/UNIVERSITY
SEEKING APPROVAL:**

The Ohio State University

**PERSON REQUESTING
APPROVAL:**

Michele C. Brown, Program Director, College Credit Plus Programs,
brown.1112@osu.edu, 614-688-4468

**NAME OF COURSE TO BE
CONSIDERED FOR APPROVAL:**

Bioethics 2010 – Ethics of Biomedical Science Research

**DESCRIPTION WHY STUDENTS
WILL BENEFIT FROM COURSE
AS LEVEL 1:**

Ohio State has created a Center for Bioethics, which is housed within the OSU Wexner Medical Center and the College of Medicine. The center brings together experts from multiple inter-professional disciplines and perspectives to facilitate discussions of ethical issues.

Bioethics 2010 provides a foundation in traditional ethics, a consideration of the subcategories of bioethics, neuroethics, and eugenics and instructs students in how to apply ethics to contemporary issues in research and technology. Students are able to satisfy the basic components of “Responsible Conduct of Research (RCR) Education” through this coursework.

This course has become one of the most popular options for CCP students. Many of our CCP students are interested in entering the health field, and are excited to enroll in a class that discusses these important topics. It allows them to personalize their CCP experience, rather than taking a more general Introduction to Ethics course.

The Ohio State University
College of Medicine
Center for Bioethics and Medical Humanities

Fall 2018

Course Number: BIOETHC 2010

Credit Hours: 3 Units

Title: **Ethics of Biomedical Science Research**

Instructor: Name Ioan Alexandru Beldean, M.A.
Title Research Assistant
Address 2190 Graves Hall
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Phone 614-747-3334
e-mail beldean.i@osu.edu
Office Hours By appointment

Class Day/Time: Tuesday and Thursday 11:15-12.30

Class Location: Atwell Hall 136

Texts: E. Emanuel et al., *The Oxford Textbook of Clinical Research Ethics*, 2011 (or latest edition)

Francis L. Macrina, *Scientific Integrity*, 2005 (or latest edition)

Additional readings are assigned in class or available on reserve. See agenda (shown below) for details.

Course Overview:

Ethics should play a prominent role in the execution of scientific and medical research and in the design of policies and regulations to guide such research. The broad intent of this course is to highlight the importance of ethics in research and to explore how and why bioethics is relevant to personal decision-making, policy formation, public regulation, and the law. This course will provide a foundation in traditional ethics, a consideration of the subcategories of bioethics, and instruct students in how to apply ethics to contemporary issues in research and

technology. This course also satisfies the basic components of Responsible Conduct of Research (RCR) education.

Course Objectives:

Upon completion of the course, the student will:

- 1) explain traditional approaches to ethical issues and basic moral concepts, and apply their understanding to constructively critique biomedical case studies,
- 2) discuss contemporary issues in biomedical science with sufficient knowledge of their historical and scientific background, and
- 3) analyze established policies and codes for research.

GE 'Culture and Ideas' Goals and ELO:

Goals: Students evaluate significant cultural phenomena and ideas in order to develop capacities for aesthetic and historical response and judgment; and interpretation and evaluation.

Expected Learning Outcomes (ELO) :

ELO1: Students analyze and interpret major forms of human thought, culture, and expression.

ELO2: Students evaluate how ideas influence the character of human beliefs, the perception of reality, and the norms which guide human behavior.

How BSGP2010 helps students achieve these ELOs: The broad intent of BSGP2010 is to highlight the importance of ethics in biomedical science research, and to let students critically analyze recent ethical issues and debates in stem cell research, neuroscience, genetics and other lines of biomedical science research as well as issues in responsible conduct of research.

There are three kinds of topics covered by BSGP 2010:

Topic group 1. Historical and regulatory backgrounds of biomedical research ethics. (See "Topic Schedule," Topic #2-4, History and Politics of Biomedical Research and Human Experimentation; Topic #5, Eugenics Movement in the early 20C; and Topic #6-7, ethical debates over Positive Eugenics and Population Vulnerability.)

Topic group 2: Basic moral concepts used in discussions of biomedical research ethics. (Three ethical dimensions – meta-ethics, normative and applied – are discussed in Topic 1; two of the major basic bioethical concepts, informed

consent and respect for persons, are discussed in Topic 2-4 and 8; and other basic concepts, such as beneficence, justice and privacy, are mainly discussed in Topic 9, 10 and 11, respectively.)

Topic group 3: *Contemporary issues and debates in biomedical research ethics.*
(Topics 5, 6-7, 12-25, which deal with issues in stem cell research, neuroscience, reproductive technologies, genetics and genomics, biological patents, conflict of interest cases, and commercialized clinical trials and scientific misconduct cases.)

By going through Group 1 and 2 topics, students will be prompted to analyze and interpret major forms of human thought, culture, and expression, which will meet ELO1. By discussing Group 3 topics, students will be asked to evaluate how ideas they discussed in Group 1&2 topics influence their beliefs, perception of reality, and the norms they would propose to guide their behavior in conducting biomedical science research, which will meet ELO2.

Course Requirements: No Prerequisites.

Course Grading:

Final grades for the course will be determined as follows:

- 20% Attendance + Class Participation
- 30% Written Analysis (Cumulative)
- 20% Midterm Exam
- 30% Final Exam

Final Grading Scale

The grading will use the official marks of the University (Rule 3335-7-21) to include: A, A-, B+, B, B-, C+, C, C-, D+, D, E, EN, I, and W.

100-93	A	79-76	C+
92-90	A-	75-73	C
89-86	B+	72-70	C-
85-83	B	69-66	D+
82-80	B-	65-63	D
		62-0	E

Statement of Student Rights:

Any student with a documented disability who may require special accommodations should self-identify to the instructor as early in the quarter as possible to receive effective and timely accommodations. Students can contact the OSU Office of Disability Services at 614-292-3307 and 614-292-0901 TDD.

Academic Misconduct:

Academic misconduct is defined as any activity that compromises the academic integrity of The Ohio State University or subverts the educational process. Academic misconduct of any nature will not be tolerated and will be reported to the OSU Committee on Academic Misconduct (COAM) following the procedures and policies outlined at <http://oaa.osu.edu/coam/home.html>

Agenda:

Assignments

Attendance—*Please remember that attendance is crucial for your grade.* Students whose attendance rate is 70% or lower will automatically drop the course. For your absence to be counted as an excused absence, a written justification with proof (a dated doctor's note, an ER receipt, a Jury Summons, etc.) should be submitted *before or immediately after* the date you will be or were absent.

Written Analysis – Students are required to submit two essays during the semester. Due dates are shown below:

- 1st essay - Week 3 – Sunday, **September 9**, before 10:00 pm
- 2nd essay - Week 8 – Sunday, **November 4**, before 10:00pm

Each essay should be **over 1000 words** in length. One essay per student should be submitted. All essays should be submitted electronically on the “discussion board” section of the course website (Carmen) by the due date. *Late submission may receive minus 4 points.* Evaluation will be based on whether the written analysis shows 1) sufficient scientific and

regulatory knowledge of the issue, 2) knowledge of the controversy and its background, and 3) examination of different perspectives and careful reflection in developing the student's own opinion.

Each student must complete a visit to the Writing Center and discuss the structure and the writing elements from their first paper.

Exams

- Mid-term exam – In-class on **October 9**
- Final Exam – Take-home exam, due **December 2**

Mid-term and final exams will cover material from lectures, required readings, and discussion sections. **Makeup exams will not be given.** In case you have an illness or emergency and are unable to take an exam, you are responsible for contacting your instructor before the examination. A written verification regarding the illness or emergency must be provided. If you feel that a mistake has been made in grading your exam, submit your exam and a typed justification to your instructor by 5pm on Friday of the week following the exam.

Two weeks before each exam, files entitled “the instruction on how to prepare for the exam” and “sample questions” will be provided on the course website. Please read them very carefully.