

# Syllabus for ABT705

## Ethics, Safety, and Regulatory Environments in Biotechnology

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**NOTE:** This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

### Course Description

Ethical and safety concerns in development, production, funding, and application of biotechnology. Analysis of socioeconomic impacts. Understanding the importance of data integrity. Overview of risk assessment and management in a regulatory environment designed to ensure safety of workers, study subjects, and patients, and protect intellectual property, data, and the environment.

### Prerequisite(s)

None.

### Course Outcomes

Upon completing this course, you will be able to do the following:

- Critically assess workplace and research situations that may lead to ethical conflicts of interest and demonstrate appropriate responses.
- Identify regulatory agencies and recommendation bodies that inform and/or enforce areas of ethical oversight in both the US and abroad.
- Obtain and interpret primary documentation from regulatory bodies.
- Analyze and assess the costs and benefits of different regulatory frameworks.
- Communicate regulatory information to others in a professional capacity.

### Course Requirements/Components

This course will be graded by evaluation of individual and group written assignments, participation in online discussions, a recorded presentation, and a cumulative final exam.

- Assessments and assignments (710 pts total):
- Online discussion participation (10 x 10 pts each)
- Online discussion participation (3 x 20 pts each)
- Individual written analysis (3 x 50 pts each)
- Group project (1 x 150 pts)
- Oral presentation (1 x 100 pts)
- Final exam (1 x 150 pts)

## Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	93% - 100%
A -	90% - 92.99%
B+	87% - 89.99%
B	83% - 86.99%
B-	80% - 82.99%
C+	77% - 79.99%
C	73% - 76.99%
C-	70 - 72.99%
F	< 70%

Assignment	Points
Online discussion participation	(10 x 10 pts each) + (3 x 20 pts each)
Individual written analysis	(3 x 50 pts each)
Group project	(1 x 150 pts)
Oral presentation	(1 x 100 pts)
Final exam	(1 x 150 pts)
<b>Total Points</b>	<b>710 points total</b>