

## BIO 390.002/PHY 420.001

### The Discovery of the DNA Double Helix and its Hidden Mysteries – Spring 2013

Instructor: Dr. Chamaree de Silva  
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Lecture: MW 3:00 – 4.15, SEB 144

Office Hours: By appointment

#### Grading

The course grade is based on your performance on attendance and participation, ten quizzes (twelve total, two dropped), three short papers, a presentation, and a review paper.

The maximum possible score in BIO 390/PHY 420 is 1000 points (100%). There will be no extra credit. The points are distributed as follows:

Attendance and participation: 100 points (10%)  
Ten 20-point quizzes: 200 points (20%)  
Three 100-point short papers: 300 points (30%)  
Presentation: 200 points (20%)  
Review paper: 200 points (20%)

Attendance is mandatory. You can miss two class periods without being penalized. After two missed classes, 10 points will be taken off for each class missed.

Presentations will be done in groups of two or three. Each group member will get the same grade for the presentation. Your instructor and your classmates will be grading each presentation, where the instructor's score will count towards 70% of the presentation grade.

Short papers: These will be reflection papers on an online video and two books. Papers should be 1-2 pages, single spaced, Times New Roman point 12 font, justified on both sides, and with 1-inch margins.

The review paper will be 4-5 pages long, single spaced, excluding figures and references. It should be Times New Roman point 12 font, justified on both sides, and with 1-inch margins.

#### Grades:

A (90 and above), B+ (85-89), B (80-84), C+ (75-79), C (70-74), D (60-69), and F (below 60)

**January**

09 Wed	First day
14 Mon	TBA
16 Wed	TBA
21 Mon	MLK Jr. Day
23 Wed	TBA, * <u>Short paper #1 due, Quiz #1</u>
28 Mon	Student Presentations, <u>Quiz #2</u>
30 Wed	TBA

**February**

04 Mon	No class
06 Wed	No class
11 Mon	Student Presentations, <u>Quiz #3</u>
13 Wed	TBA
18 Mon	Student Presentations, <u>Quiz #4</u>
20 Wed	TBA, ** <u>Short paper #2 due</u>
25 Mon	Student Presentations, <u>Quiz #5</u>
27 Wed	TBA

**March**

04 Mon	Student Presentations, <u>Quiz #6</u>
06 Wed	TBA
11 Mon – 15 Fri	Spring Break
18 Mon	Student Presentations, <u>Quiz #7</u>
20 Wed	TBA, *** <u>Short paper #3 due</u>
25 Mon	Student Presentations, <u>Quiz #8</u>
27 Wed	TBA

**April**

01 Mon	Student Presentations, <u>Quiz #9</u>
03 Wed	TBA
08 Mon	Student Presentations, <u>Quiz #10</u>
10 Wed	TBA
15 Mon	Student Presentations, <u>Quiz #11</u>
17 Wed	TBA
22 Mon	Student Presentations, <u>Quiz #12</u>
24 Wed	*** <u>Review paper due</u>

\* For students presenting on January 28<sup>th</sup>, short paper #1 is due on Thursday, January 31<sup>st</sup> by 3:00 pm

\*\* For students presenting on February 18<sup>th</sup>, short paper #2 is due on Wednesday, February 27<sup>th</sup>

\*\* For students presenting on February 25<sup>th</sup>, short paper #2 is due on Monday, March 04<sup>th</sup>

\*\*\* For students presenting on March 18<sup>th</sup>, short paper #3 is due on Monday, March 25<sup>th</sup>

\*\*\* For students presenting on March 25<sup>th</sup>, short paper #3 is due on Monday, April 01<sup>st</sup>

\*\*\* \*For students presenting on April 22<sup>nd</sup>, the review paper is due on Friday, April 26<sup>th</sup> by 4:00 pm