

2015

Biology 106-W001 Online Heredity and Society Spring 2015

Rosetta Dalton

Parkland College, rdalton@parkland.edu

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BIO 106- W001 HEREDITY AND SOCIETY SYLLABUS

(Subject to change at the instructor's discretion)

Spring Semester 2015

Instructor: Rosetta Dalton

Office: L-214

Phone Number: 351-2292

Course Objectives: In this course I would like you to develop an understanding of classical genetics, to develop an appreciation for the complexity of heredity in humans and to gain a basic understanding of modern genetics and how it affects society.

General Education Objectives covered in Biology 106: Effective writing, reading, and listening; critical thinking in problem-solving; compute in quantitative terms; use technology to access and retrieve information.

MODULES	
A-1	Mitosis and Meiosis
A-2	Mendel's Laws and Applications I
A-3	Mendel's Laws and Applications II
A-4	Sexual Development, Problems with Meiosis, and Determining Patterns of Inheritance
A-5	DNA, Protein Synthesis and Mutations
A-6	Cancer and Immunogenetics
A-7	Population Genetics
A-8	Genetic Engineering and Society

Note: Each chapter has a summary, review questions, applied questions, cases and a list of resources for more information at the

end of the chapter. Answers to the questions are in the back of the book. These can be most helpful. Also, the glossary at the end of each chapter should be used for learning new terminology.

Module and Quiz Schedule

Module	Dates Covered	Quiz due	
1	Jan. 12-23	Friday Jan. 23	
2	Jan. 26-Feb. 6	Friday Feb. 6	
3	Feb. 9-20	Friday Feb. 20	
4	Feb. 23-Mar. 6	Friday Mar. 6	
5	Mar. 9-20	Friday Mar. 20	
6	Mar. 30-April 10	Friday April 10	
7	April 13-24	Friday April 24	
8	Apr. 27-May 8	Friday May 8	

Worksheets, Article Files, and Final Paper Schedule

Assignment	Due Date
A Rush to Judgement Case Study	Thursday February 5th
Who Owns Your DNA Anyway?	Thursday February 26 th
Molecular Biology Worksheet	Thursday March 12 th
Abracadabra Case Study	Thursday April 30th
Final Paper	Monday May 11 th

TOTAL REQUIREMENTS TO FINISH THE COURSE

Module Quizzes	145 pts.	35.5%
Worksheets/Homework	35 pts.	8.5%
Case Studies	50 pts.	12%
Bi-weekly Question/Discussion	80 pts	19.5%
Final Paper	100 pts	24.5%

Total Possible Points	410 pts	100%
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GRADES WILL BE BASED ON TOTAL POINTS ACCUMULATED
A = 410-369
B = 468-328
C = 327-287
D = 286-246
F = below 246

TEXTBOOK
"Human Genetics Concepts and Applications" 11 th edition by Ricki Lewis ISBN 0073525365

WITHDRAWALS

I am required by Parkland to assess your attendance. After one week of class , if you have (1) sent me an e-mail to me using my Cobra address , (2) have answered the first question I have posted on the Cobra discussion board, and (3) responded to an answer posted by someone else in the class, I will consider you a part of the class.

If you have not completed these three things **and have not contacted me to explain why**, I will be forced to withdraw you from the class.

Again, at midterm, I will be assigning midterm grades. The same rules apply. If you are not making satisfactory progress toward completion of the course **and have not contacted me to explain why**, I will be forced to withdraw you from class.

After midterm I will not be able to withdraw any student from the class

If you need to withdraw from the class, the ultimate responsibility is yours. Make sure you know the final date for withdrawal. If you leave the class after midterm and fail to officially withdraw, you will be given an F.

Homework/assignment policy

No late work will be accepted unless a student has made a prior arrangement with the instructor. In order to be excused, the student must contact the instructor **on or before** the day an assignment and/or quiz is due.

LEARNING DISABILITIES

NOTE: “If you feel you have a disability which may require an accommodation, e.g. an alternate testing environment, use of assistive technology, or other classroom assistance, please contact the person listed below and let your instructor know as soon as possible:

**Cathy Robinson, Director
Office Disability Services
(217)353-2082
crobinson@parkland.edu**

Center for Academic Success

Provides a wide range of academic support services to enable you to learn well, grow as a student, succeed in your classes, and excel at what you do. These services include the following:

- 1. Tutoring and Learning Assistance:** Make use of walk-in tutoring services provided by faculty, staff and trained peer tutors on a daily basis. Many

students come to get help in reading, writing math (all levels) and study skills.

- 2. For-credit Instructional Modules and Supplemental Tutorials:** Enroll in one-credit hour Tutorials to supplement classroom instruction in reading, writing, and math. Instructional Modules are also available to eligible students to complete certain coursework requirements.
- 3. Advising and Advocacy:** Work with our team of advocates and academic advisor to plan a semester schedule, understand transfer requirements, or manage issues that stand in the way of school.

For more information, please contact:

Anita Taylor
D 120
403-4580

Sue Schreiber
D 120
351-2441

You may also email CAS at CenterForAcademicSuccess@parkland.edu

Core Values

We believe strongly in the Core Values espoused by Parkland College: Honesty and Integrity, Fairness and Just Treatment, Responsibility, Multiculturalism, Education, and Public Trust. Essentially, these values set guidelines for how we should treat you and how you should treat each other (and us). Failure to be respectful of one another or to maintain ethical behavior will not be tolerated.

Academic Honesty

See www.parkland.edu/studentpolicy/honesty

Plagiarism will not be tolerated.