01:447:380 GENETICS – SPRING 2018

LECTURE INSTRUCTOR
Doreen Glodowski, Ph.D.
B-426 Nelson Hall, Busch Campus; glodowski@dls.rutgers.edu
office hours: Tuesdays and Thursdays 2 – 3pm or by appointment

RECITATION INSTRUCTORS
Sarah Gilbert seg163@scarletmail.rutgers.edu
William Hoffmann william.hoffmann@rutgers.edu

REQUIRED TEXT
Genetics: A Conceptual Approach 6th edition by BA Pierce
ISBN: 1-319-05096-4

***Please note that your purchase of online access to the Sapling Learning Site (see below) INCLUDES access to the e-version of the required text. Thus, purchase of a hard copy of the text is not required, but it is an option available to students who do not like reading their text on the computer.

ADDITIONAL REQUIRED MATERIALS
access to Sapling Learning Site
for enrollment and payment instructions, see the following site:
www.saplinglearning.com/login
for instructions on how to register on Sapling for this course, see:
https://community.macmillan.com/docs/DOC-5972-sapling-learning-registering-for-courses
for technical questions/problems, see:
https://community.macmillan.com/docs/DOC-6915-students-still-need-help

COURSE WEBSITE
https://sakai.rutgers.edu/portal

LECTURE SCHEDULE
All Sections – W 11:30am – 12:50pm AB-2125
F 1:10pm – 2:30pm AB-2125

RECITATION SCHEDULE
Section 16 – W 2:15 – 3:10pm HCK-113 Sarah Gilbert
Section 17 – W 2:30 - 3:25pm HCK-123 William Hoffmann
Section 18 – W 6:55 - 7:50pm ARC-108 William Hoffmann
Section 19 – T 12:15 – 1:10pm ARC-108 William Hoffmann
Section 20 – W 4:10 - 5:05pm HCK-118 Sarah Gilbert
Section 21 – Th 10:35 - 11:30am ARC-333 Sarah Gilbert
COURSE DESCRIPTION
Genetics 380 is a 4-credit course designed to teach students basic concepts of Genetics. Course material will be introduced during 80-minute lectures held twice weekly. Understanding of this material will be tested and reinforced by completing assigned problems online and participating during recitations (one 50-minute class weekly).

LEARNING GOALS
I. to appreciate how and why the field of Genetics developed
II. to understand experimental methods and results fundamental to development of and progress within the field of Genetics
III. to solve Genetics-based problems using logic and reasoning

EXAM POLICIES
Makeup exams will be given at the discretion of the instructor and ONLY in the event of an extreme and unexpected emergency. If a makeup exam is required, the course instructor must be notified within 12 hours of the scheduled exam period. Appropriate documentation (e.g. a doctor’s or dean’s note) must be presented at the time of the makeup exam. Makeup exams must be completed within 7 days of the scheduled exam period. Failure to adhere to these policies will result in a grade of 0 for any missed exam.

All exams take place in AB2125. Exam dates and times are listed on the lecture schedule posted on the course sakai site.

The final exam is not cumulative.

ONLINE HOMEWORK
Online homework assignments are completed on the Sapling Learning site. To enroll in Genetics 380 on the Sapling Learning site, see: www.saplinglearning.com/login Your enrollment key code is “SectionX”, where X is your section number. Completing online homework assignments is required in order to pass this course.

One online homework assignment corresponds to each lecture. There are two online homework assignments due each week. Every Monday morning, two assignments will be available on the Sapling Learning site. Both of these assignments are due by 11:55pm on the following Sunday night. Due dates for all online homework assignments are listed in the Schedule for Online Homework & Recitation, posted on Sakai.

The Sapling Learning site is interactive. Each time you answer a question, you will know immediately if your answer is correct. You may submit answers multiple times without penalty. You may view optional hints and there is often an explanation that can be viewed with each correct answer. You will not be penalized for initially choosing incorrect answers.
As you work through an assignment, Sapling keeps track of your progress on the left side of the screen. When you submit the correct answer to a question, you earn a score of 100 for that question. If you choose to give up and view the solution to a question, you earn a score of 0 for that question. Sapling uses the scores on each question in an assignment to calculate a % for each assignment. **In order to earn credit for an assignment, you must complete the entire assignment AND you must earn 80% or above on that assignment.**

Credit will only be given for homework assignments that are completed by the designated due date and time with a score of at least 80%. No partial credit will be given if an assignment is started but has not been completed. **To complete an assignment, you must either submit a correct answer or choose to view the correct answer for every question in the assignment.**

If you work through some problems and log off the Sapling Learning site, your work will be saved. Thus, it is not necessary to complete an assignment in one sitting. However, you must ultimately complete all problems in an assignment by the due date and time and earn a score of at least 80% in order to earn credit for your work. Partial credit for homework assignments will not be given.

You may continue to view all problems in an assignment even after the due date has passed. Reviewing online homework assignments is a good way to prepare for quizzes and exams.

Each online homework assignment is worth 2 points. Grades will be recorded in the gradebook on Sakai, beginning with online homework for Lecture 4. The gradebook on the Sapling Learning site will NOT be used.

**RECITATION**

Students earn points in recitation based on attendance, participation and quiz grades. Attendance is required. Each recitation will begin with a short quiz. Late students will not be given additional time to work on the quiz.

Absence from recitation for a religious reason will be excused ONLY IF the recitation instructor is notified prior to the absence and arrangements are made to complete the quiz. Absence from recitation for non-religious reasons will be excused ONLY in situations deemed appropriate by the TA or the course instructor. A student with an excused absence will have the opportunity to make up a missed quiz by arrangement with their TA. **To make such arrangements, the student must contact their TA within 24 hours of the missed recitation.**

The lowest recitation grade will be dropped before final grades are calculated.
SUGGESTED PROBLEMS FROM THE TEXT
To test your understanding of lecture material, work through problems at the end of chapters in the text. See the document “Suggested Problems from the Text” posted on Sakai under “Resources” for text problems and answers that correspond to material covered each week. Reviewing these problems is highly recommended in preparation for exams.

GRADING
Points are earned by completing online homework assignments, by taking quizzes and participating in recitation, and by taking exams. Final grades will be calculated as follows:

<table>
<thead>
<tr>
<th>Contribution to Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online homework (via Sapling Learning site)</td>
</tr>
<tr>
<td>Recitation (Quiz &amp; Participation)</td>
</tr>
<tr>
<td>First Exam</td>
</tr>
<tr>
<td>Second Exam</td>
</tr>
<tr>
<td>Final Exam (not cumulative)</td>
</tr>
</tbody>
</table>

Final grade assignments will be based on the following scale:

| 90 – 100% | A |
| 85 – 89% | B+ |
| 80 – 84% | B |
| 75 – 79% | C+ |
| 65 – 74% | C |
| 50 – 64% | D |
| below 50% | F |

Note that this scale is approximate. Actual grade cut-offs will be determined after viewing the distribution of final course percentages.

OPTIONAL EXTRA CREDIT
Over the course of the semester, students have the opportunity to earn up to 9 extra credit points by completing 9 Learning Curve activities on the Sapling Learning site. Students complete a Learning Curve activity by answering questions until they reach the target score. Completion of each Learning Curve activity is worth 1 extra credit point.

There are 3 Learning Curve activities containing material relevant to each exam. To earn points for the 3 Learning Curve activities relevant to Exam 1, they must be completed before 11:55pm on 2/18/18. To earn points for the 3 Learning Curve activities relevant to Exam 2, they must be completed before 11:55pm on 3/25/18. To earn points for the 3 Learning Curve activities relevant to the Final Exam, they must be completed before 11:55pm on 5/2/18. The target score must be reached in a Learning Curve activity in order to earn an extra credit point.
Extra credit is optional. There is no penalty for choosing not to complete Learning Curve activities. There is also no penalty for choosing not to complete every Learning Curve activity relevant to a particular exam. For example, if you complete 1 Learning Curve activity relevant to Exam 1, 2 Learning Curve activities relevant to Exam 2 and 0 Learning Curve activities relevant to Exam 3, you would earn 3 extra credit points for the semester. Total extra credit points earned will be recorded in the gradebook on Sakai.

**ACADEMIC INTEGRITY**

All students are expected to read the Rutgers University Academic Integrity Policy. For more information, please see: [http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers](http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers).

All students who violate academic integrity will be reported to the appropriate dean, academic officer, and/or appropriate hearing board for disciplinary action immediately, regardless of the level of offense. This includes students who are cheating as well as students who are helping to facilitate cheating or other academic dishonesty. We will advocate for the strongest possible sanctions against students who violate academic integrity, including but not limited to assigning the grade of XF (disciplinary F) for the course, suspension for one or more semesters, and permanent expulsion from the University with a permanent notation of disciplinary expulsion on the student’s transcript.

For a quick interactive tutorial on plagiarism, please see: [http://library.camden.rutgers.edu/EducationalModules/Plagiarism/](http://library.camden.rutgers.edu/EducationalModules/Plagiarism/)

**STUDENT-WELLNESS SERVICES**

**Just In Case Web App**
[http://codu.co/cee05e](http://codu.co/cee05e)
Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

**Counseling, ADAP & Psychiatric Services (CAPS)**
(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901 / [www.rhscaps.rutgers.edu](http://www.rhscaps.rutgers.edu/)
CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students’ efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

**Violence Prevention & Victim Assistance (VPVA)**
(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / [www.vpva.rutgers.edu](http://www.vpva.rutgers.edu/)
The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

**Disability Services**
(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / [https://ods.rutgers.edu](https://ods.rutgers.edu/)
Rutgers University welcomes students with disabilities into all of the University’s educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: https://ods.rutgers.edu/students/documentation-guidelines. If the documentation supports your request for reasonable accommodations, your campus’s disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: https://ods.rutgers.edu/students/registration-form.

Scarlet Listeners

(732) 247-5555 / http://www.scarletlisteners.com/
Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.