! PCB3063 Syllabus " Student View Immersive Reader

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Course Summary:
Date Details Due

Mon Aug 29, 2022 # Ka!e (TA) Office Hours 9am to Dec 6 at 4pm

Wed Aug 31, 2022

$ Orienta!on Video due by 11:59pm

$ Video: How to Use PlayPosit due by 11:59pm

Fri Sep 2, 2022

$ CH 01 Prelecture Assignment due by 11:59pm

$ CH 02 Prelecture Assignment due by 11:59pm

$ Introduc!on to MasteringGene!cs due by 11:59pm

$ Lecture: Cell Division and Gamete
Forma!on due by 11:59pm

Tue Sep 6, 2022

$ CH 03 Prelecture Assignment due by 11:59pm

$ CH 04 Prelecture Assignment due by 11:59pm

Wed Sep 7, 2022

$ Lecture: Mendel I: Classical
Gene!cs and Modern Refinements due by 11:59pm

$ Lecture: Mendel II: Classical
Gene!cs and Modern Refinements due by 11:59pm

Thu Sep 8, 2022 % Class Discussion: The Language of

Gene!cs due by 11:59pm

Fri Sep 9, 2022

& Submission Quiz: Punne# Squares
Quiz due by 11:59pm

$ Group Ac!vity: Punne# Squares
Worksheet due by 11:59pm

Tue Sep 13, 2022

$ CH 05 Prelecture Assignment due by 11:59pm

$ CH 07 Prelecture Assignment due by 11:59pm

Wed Sep 14, 2022

$ Lecture: Morgan I: Chromosomal
Theory of Inheritance due by 11:59pm

$ Lecture: Morgan II: Sex Linkage due by 11:59pm

Fri Sep 16, 2022

& Submission Quiz: Gene Mapping due by 11:59pm

$ Group Ac!vity: Gene Mapping due by 11:59pm

Tue Sep 20, 2022

$ CH 08 Prelecture Assignment due by 11:59pm

$ CH 09 Prelecture Assignment due by 11:59pm

Wed Sep 21, 2022 $ Lecture: Chromosomal Varia!ons

and Cytoplasmic Inheritance due by 11:59pm

Tue Oct 4, 2022

$ CH 10 Prelecture Assignment due by 11:59pm

$ CH 11 Prelecture Assignment due by 11:59pm

Wed Oct 5, 2022 $ Lecture: DNA Structure &

Replica!on due by 11:59pm

Fri Oct 7, 2022

$ Group Ac!vity: DNA Replica!on due by 11:59pm

& Submission Quiz: DNA Replica!on due by 11:59pm

Tue Oct 11, 2022

$ CH 13 Prelecture Assignment due by 11:59pm

$ CH 14 Prelecture Assignment due by 11:59pm

Wed Oct 12, 2022

$ Lecture: Transcrip!on due by 11:59pm

$ Lecture: Transla!on due by 11:59pm

Fri Oct 14, 2022

$ Group Ac!vity: Central Dogma due by 11:59pm

& Submission Quiz: Central Dogma due by 11:59pm

Tue Oct 18, 2022

$ CH 15 Prelecture Assignment due by 11:59pm

$ CH 16 Prelecture Assignment due by 11:59pm

Wed Oct 19, 2022 $ Lecture: Gene Regula!on I,

Transcrip!onal Regula!ons due by 11:59pm

Tue Oct 25, 2022

$ CH 17 Prelecture Assignment due by 11:59pm

$ CH 19 Prelecture Assignment due by 11:59pm

Wed Oct 26, 2022 $ Lecture: Gene Regula!on II,

Pos#ranscrip!onal Regula!on due by 11:59pm

Wed Nov 2, 2022 $ Guest Lecture: Dr. Miro Herrans,

Part 1 due by 11:59pm

Tue Nov 8, 2022 $ CH 26 Prelecture Assignment due by 11:59pm

Wed Nov 9, 2022

$ Guest Lecture: Dr. Miro Herrans,
Part 2 due by 11:59pm

$ Lecture: Popula!on Gene!cs due by 11:59pm

Fri Nov 11, 2022

$ Group Ac!vity: Hardy-Weinberg due by 11:59pm

& Submission Quiz: Hardy-Weinberg due by 11:59pm

Tue Nov 15, 2022

$ CH 20 Prelecture Assignment due by 11:59pm

$ CH 21 Prelecture Assignment due by 11:59pm

Wed Nov 16, 2022

$ Guest Lecture: Dr. Miro Herrans,
Part 3 due by 11:59pm

$ Lecture: Molecular Techniques due by 11:59pm

Tue Nov 22, 2022 $ CH 24 Prelecture Assignment due by 11:59pm

Wed Nov 23, 2022 $ Lecture: Cancer Gene!cs due by 11:59pm

Wed Nov 30, 2022 $ Lecture: Gene Therapy and Gene

Edi!ng due by 11:59pm

% Class Discussion: Group Ethics
Project Submissions

% Class Discussion: Group Gene!cs
in Medicine Project Submissions

& Ethics Project Self-Evalua!on
Survey

& Exam 1

& Exam 2

& Exam 3

& Gene!cs in Medicine Project Self-
Evalua!on Survey

$ Group Ac!vity: Gene!cs in
Medicine Project, Part 3

$ Group Ac!vity: Ethics Project
Submission

$ Group Ac!vity: Ethics Project, Part
1

$ Group Ac!vity: Ethics Project, Part
2

$ Group Ac!vity: Ethics Project, Part
3

$ Group Ac!vity: Gene!cs in
Medicine Project Submission

$ Group Ac!vity: Gene!cs in
Medicine Project, Part 1

$ Group Ac!vity: Gene!cs in
Medicine Project, Part 2

& PCB3063 Exam 1

& PCB3063 Exam 2

& PCB3063 Exam 3

' Edit

PCB3063

SYLLABUS

CONTACT INFORMATION

For ques!ons about course content, your grade, or other personal issues, use the Canvas mail
tool. Expect a response within 48 hours.

COURSE DESCRIPTION

This course will survey chromosome structure and replica!on, gene!c linkage and mapping, regula!on of gene expression, epigene!cs, gene!c muta!on, gene!cs of cancer, and the principles of gene!c engineering. Applica!ons of bioinforma!cs and gene!cs to modern biological problems are discussed.

COURSE OBJECTIVES

By the end of this course, you will be able to:

1. Describe the historical founda!ons for the field and discoveries of gene!cs.
2. Use core knowledge of gene!cs to cri!cally analyze scien!fic research literature, and in popular culture and the public discourse.
3. Make connec!ons between research in gene!cs and quan!ta!ve analysis in other natural and social science coursework.
4. Synthesize core knowledge of gene!cs with current and emerging research in the biological and social sciences.

COURSE REQUIREMENTS

REQUIRED TEXTBOOK

1. Klug, WS, MR Cummings, CA Spencer, MA Palladino, and D Killian. 2019. Concepts of Gene!cs, 12th ed. Pearson, New York.
Your textbook is provided as an electronic text, which is accessible via MyLab and Mastering in the Canvas menu. Purchase text through UF All Access.

2. Addi!onal course readings may be available on Canvas and via Course Reserves (ARES).

PREREQUISITES

To take this class, students must have taken BSC2011 and BSC2011L (or equivalent) with a minimum grade of C in addi!on to a general chemistry course.

MINIMUM TECHNOLOGY REQUIREMENTS

The University of Florida expects students entering an online program to acquire computer hardware and so$ware appropriate to his or her degree program. Most computers are capable of mee!ng the following general requirements. A student’s computer configura!on should include:

Webcam
Microphone
Broadband connec!on to the Internet and related equipment (Cable/DSL modem)
Microso$ Office Suite installed (provided by the university)

Individual colleges may have addi!onal requirements or recommenda!ons, which students should review before the start of their program.

MINIMUM TECHNICAL SKILLS

To complete your tasks in this course, you will need a basic understanding of opera!ng a computer and using word processing, presenta!on and video-conferencing so$ware.

MATERIALS/SUPPLY FEES

There is no supply fee for this course.

HONORLOCK

Honorlock is an online proctoring service that allows students to take exams on-demand 24/7. There are no scheduling requirements or fees.

You will need a laptop or desktop computer with a webcam, a microphone, and a photo ID. The webcam and microphone can be either integrated or external USB devices.

Honorlock requires that you use the Google Chrome browser, and the Honorlock extension must be added to Chrome.

For further informa!on, FAQs, and technical support, please visit the Honorlock website.

ZOOM

Zoom is an easy-to-use video conferencing service available to all UF students, faculty, and staff that allows for mee!ngs of up to 100 par!cipants. You will need Zoom to interact in groups for some of the assignments in this course.

You can find resources and help using Zoom at the UFIT Zoom website.

COURSE POLICIES

A!endance, Make-Up Exams, and Assignments

Requirements for make-up exams, assignments, and other work in this course are consistent with university policies that can be found on the UF A#endance Policies website. Because most assignments in this class have a long due period of several days over which you can submit your assignment, late work will not be accepted without wri#en documenta!on excusing you from more than half of the days that the assignment is available. You should submit your assignments before the posted final due date/!me.

Late pre-lecture quizzes can be submi#ed for a grade reduc!on of 10% per day. Star!ng
from the 5th late day, pre-lecture quizzes will be worth up to 50% of the original point value, if submi#ed before the courses reading period begins.
All other assignments in the class with several days over which you can complete and submit them will not be accepted late.
No make-up exams will be given without prior permission from the instructor, or documenta!on of illness. Students that will be missing an exam due to a pre-arranged university-approved excused absence (sports, etc.) should let the instructor know a minimum of two weeks in advance of the exam start date. Your excused absence will need to cover the en!re !me that the exam is available, from the exam start date to the final submission date/!me.
In case of illness or personal emergency during the exam window of availability, students
must submit documenta!on to the Dean of Students office (P202 Peabody Hall, dsocares@dso.ufl.edu) and request an instructor no!fica!on to be sent. These notes must be received within five business days a$er the exam. Make up exams may not be mul!ple
choice.

As this is an online class, you are responsible for observing all posted due dates and are encouraged to be self-directed and take responsibility for your learning. Do not wait un!l the final due date to complete your assignments - this will be at your own risk.

Grade Changes

It is important that you keep up with your grades and review your graded work. Any grade disputes or requests for re-grading, grade changes, etc. must be submi#ed within 1 week of receiving the your score for the assignment/quiz/etc. Requests or disputes submi#ed past this !me period will not be addressed.

Behavior and Communica"on

Mature and respec&ul behavior is expected from all members of our class in all interac!ons with instructors, guest presenters, and other students.

To protect the First Amendment rights of students to speak in class and express their differing views, I ask that you limit your discourse during our class ac!vi!es to respec&ul and welcoming tones, behaviors, language, and ac!ons – and whenever possible, use published scien!fic data to bolster your opinions. I also expect you to be open to opinions, ideas, and scien!fic data that differ from your own views and beliefs, understanding that all fact-based opinions are welcome in the class and that differing perspec!ves are valued.

Your email and face-to-face discourse with your TAs and instructor will be polite, professional, and respec&ul at all !mes. Make sure your requests of our !me are requests, and not demands.

If anyone in our class is abusive or harassing toward you, please bring this to my a#en!on or to your TA’s a#en!on, and we will address it with the Student Conduct & Conflict Resolu!on Office (SCCRO), or you can contact the SCCRO directly. The SCCRO is there to help us, and to protect all students, including students accused of abusive behavior. Working with the SCCRO does not mean a student is necessarily “in trouble.” It means that behaviors are disrup!ng student learning or content delivery, and are beyond my training, capability, or !me and labor constraints to address.

You will be asked to self evaluate your work on group projects. Lying or exaggera!ng about your contribu!on to the project will be treated as academic dishonesty and may result in ge'ng a zero on the the group assignment. If you do not do your fair share of the group work, you will receive a grade reduc!on.

GRADING POLICY

Assignments will be graded and feedback given within 7 days a$er the due date.

ASSIGNMENT GROUPS WEIGHT

Assignment Weight Drops*

Pre-lecture Quizzes 10% 1
PlayPosit Lecture Videos 2% 4
Group Ac!vi!es 10% 0
Group Project Ac!vi!es 12% 0
Group Project Final
Submissions 20% 0
Class Discussions 6% 0
Exams 40% 1

GRADING SCALE

Grades will be assigned based on the following:

Grade Percentage Range

A 100 - 94.0

A- < 94.0 - 90.0

B+ < 90.0 - 87.0

B < 87.0 - 84.0

B- < 84.0 - 80.0

C+ < 80.0 - 77.0

C < 77.0 - 74.0

C- < 74.0 - 70.0

D+ < 70.0 - 67.0

D < 67.0 - 64.0

D- < 64.0 - 61.0

F < 61.0 - 0.0

See the current UF Grading Policies for more informa!on.

UF POLICIES

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES

Students with disabili!es reques!ng accommoda!ons should first register with the Disability Resource Center (352-392-8565) by providing appropriate documenta!on. Once registered, students will receive an accommoda!on le#er that must be presented to the instructor when reques!ng accommoda!on. Students with disabili!es should follow this procedure as early as possible in the semester.

UNIVERSITY POLICY ON ACADEMIC CONDUCT

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submi#ed for credit by students at the University of Florida, the following pledge is either required or implied: 'On my honor, I have neither given nor received unauthorized aid in doing this assignment.'"

The Student Honor Code and Student Conduct Code specifies a number of behaviors that are in viola!on of this code and the possible sanc!ons. Furthermore, you are obligated to report any condi!on that facilitates academic misconduct to appropriate personnel. If you have any ques!ons or concerns, please consult with the instructor or TAs in this class.

NETIQUETTE AND COMMUNICATION COURTESY

All class members are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats.

GETTING HELP

TECHNICAL DIFFICULTIES

For issues with technical difficul!es for Canvas, please contact the UF Help Desk at:

helpdesk.ufl.edu
(352) 392-HELP (4357)
Walk-in: HUB 132

Any requests for make-ups due to technical issues should be accompanied by the !cket number received from the Help Desk when the problem was reported to them. The !cket number will document the !me and date of the problem. You should e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

HEALTH AND WELLNESS

U Ma!er, We Care: If you or someone you know is in distress, please contact uma#er@ufl.edu, 352-392-1575, or visit the U Ma#er We Care website to refer or report a concern and a team member will reach out to the student in distress.

Counseling & Wellness Center: Visit the UF Counseling & Wellness Center website or call 352-392-1575 for informa!on on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 informa!on to help you find the care you need, or visit the UF Student Health Care Center website.

University Police Department: Visit the UF Police Department website or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room/Trauma Center: For immediate medical care in Gainesville, call 352-733-0111, or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; UF Health Shands Emergency Room/Trauma Center website.

ACADEMIC AND STUDENT SUPPORT

Career Connec"ons Center: Career assistance and counseling services. 352-392-1601; UF Career Connec!ons Center website.

Library Support: Various ways to receive assistance with respect to using the libraries or finding resources. UF George A. Smathers Libraries Ask-A-Librarian website

Teaching Center: General study skills and tutoring. 352-392-2010; UF Teaching Center website

Wri"ng Studio: Help brainstorming, forma'ng, and wri!ng papers. 352-846-1138; University Wri!ng Program Wri!ng Studio website

COURSE EVALUATIONS

Students are expected to provide professional and respec&ul feedback on the quality of instruc!on in this course by comple!ng course evalua!ons online via GatorEvals. Guidance on how to give feedback in a professional and respec&ul manner is available at the Providing Construc!ve Feedback website. Students will be no!fied when the evalua!on period opens and can complete evalua!ons through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via the GatorEvals website. Summaries of course evalua!on results are available to students at the GatorEvals Public Results website. More informa!on about UF's course evalua!on system can be found at the GatorEvals - Faculty Evalua!ons website.

TIPS FOR SUCCESS

Taking a course online can be a lot of fun! Here are some !ps that will help you get the most of this course while taking full advantage of the online format:

Schedule "class !mes" for yourself. It is important to do the coursework on !me each week. You will receive a reduc!on in points for work that is turned in late!

Read ALL of the material contained on this site. There is a lot of helpful informa!on that can save you !me and help you meet the objec!ves of the course.

Print out the Course Schedule located in the Course Syllabus and check things off as you go.

Take full advantage of the online discussion boards. Ask for help or clarifica!on of the material if you need it.

Do not wait to ask ques!ons! Wai!ng to ask a ques!on might cause you to miss a due date.

Do your work well before the due dates. Some!mes things happen. If your computer goes down when you are trying to submit an assignment, you'll need !me to troubleshoot the problem.

To be extra safe, back up your work to an external hard drive, thumb drive, or through a
cloud service.

PRIVACY AND ACCESSIBILITY POLICIES

For informa!on about the privacy policies of the tools used in this course, see the links below:

Instructure (Canvas)
Instructure Privacy Policy
Instructure Accessibility

Sonic Foundry (Mediasite Streaming Video Player)
Sonic Foundry Privacy Policy
Sonic Foundry Accessibility

PlayPosit
PlayPosit Privacy Policy
PlayPosit Accessibility
Zoom
Zoom Privacy Policy
Zoom Accessibility

YouTube (Google)
YouTube (Google) Privacy Policy
YouTube (Google) Accessibility
Microso$
Microso$ Privacy Policy
Microso$ Accessibility
Adobe
Adobe Privacy Policy
Adobe Accessibility
Honorlock
Honorlock Privacy Policy
Honorlock Accessibility

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Instructor

Dr. Hazel Levy

Email

Canvas Inbox

Office Hours

Held via Zoom, access office hour Zoom links using the Canvas Calendar.

Graduate Teaching Assistant

Kathryn (Ka!e) Feerst

Undergraduate Teaching Assistants

Name Email Address Office Hours Zoom Link

Elizabeth
Sebas!an

e.sebas!an@ufl.edu TBA

Julia Cesare julia.cesare@ufl.edu TBA

Credit Hours

4 credits

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Fall 2022

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& Syllabus Naviga!on

Submission Quiz: Genetics in Medicine Project, Part 2

Submission Quiz: Genetics in Medicine Project, Part 3

Submission Quiz: Ethics Project, Part 1

Submission Quiz: Ethics Project, Part 2

Submission Quiz: Ethics Project, Part 3

Submission Quiz: Genetics in Medicine Project, Part 1

August 2022

31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Assignments are weighted by group:

Group	Weight
PreLecture Quizzes	10%
Lecture Video Playposit	2%
Group Activities	10%
Group Project Activities	12%
Discussions	6%
Group Project Final Submissions	20%
Exams	40%
Total	**100%**