



CITY COLLEGES of CHICAGO

Olive-Harvey

Education that Works

**COURSE SYLLABUS – BIOLOGY 122
MAJORS BIOLOGY II WITH LABORATORY
(ECOLOGY & EVOLUTION)**

Professor:	Dr. Oliver Pergams	Semester/Year:	FALL 2015
Phone:	773.291.6502	Course/Section:	122 FJ/FJX
E-mail:	opergams@ccc.edu	Classroom:	Room 3426
Dr. Pergams' Research:	www.pergams.com	Length of Course:	16 weeks
Office:	Room 3411	Credit Hours:	4
Office Hours	MW 10:45AM-2:00PM	Class Hours:	TR 11:15-1:55AM
CCC Wetland:	www.cccwetland.org		

PRE-REQUISITES: Biology 121 or Consent of Instructor.

CATALOG DESCRIPTION:

BIOLOGY 122 - Biology II - Continuation of Biology 121. Organismal Biology - Ecology and Evolution. An introduction to structure and function of major groups of microorganisms, fungi, animals, and plants. Emphasis on evolutionary relationships and ecological principles. Laboratory required. Writing assignments, as appropriate to the discipline, are part of the course.

FIELD TRIPS:

There will be two Saturday morning field trips. I know that people have jobs and families so attendance will be optional but will earn 50 XC pts. each. The field trips will be fun as well as educational! One field trip will be a restoration workdays at the CCC Wetland (www.cccwetland.org). The other field trip will be the classes' choice between Burnham Nature Preserve, small mammal live-trapping, and the research collections (back rooms) of the Field Museum, or some other option you come up with.

XC PAPER & PRESENTATION: You can get 35 XC pts. by writing a 4-page paper on a chapter of the book "Into the Jungle" (on reserve at the school library), and another 15 XC pts. with a 5-minute Powerpoint presentation on your paper.

If you do all the XCs and get perfect scores you can get 150 XC pts., and raise your grade 4%.

TEXTS:

OpenStax College, Concepts of Biology. OpenStax CNX. Jun 29, 2015. The textbook is a FREE

OpenStaxx pdf available at <https://openstaxcollege.org/textbooks/concepts-of-biology/get>.

Alternately you can spend \$4.99 at the iTunes store and get a version with videos enabled. You can also order a NEW HARD COPY version for only \$29 from amazon at

http://smile.amazon.com/gp/offer-listing/1938168119/ref=tmm_other_meta_binding_new_olp_sr?ie=UTF8&condition=new&qid=1439769011&sr=8-1.

Online Access Card (Green) by Sapling Learning. ISBN: 9780983385950. \$48.96. This must be purchased from the CCC online bookstore http://citycolleges.textbookx.com/book/ONLINE-ACCESS-CARD-GREEN/9780983385950/?course_id=990745.

I will photocopy and hand out labs.

COMPUTER REQUIREMENT: Most homework for this class will be done online! You must use a computer with a fast internet connection. There are many such computers available at OHC, or you may choose to go elsewhere.

COURSE OBJECTIVES/STUDENT LEARNING OUTCOMES:

1. Demonstrates competence in performing laboratory activities, analysis & interpretation of data, and clear communication of valid conclusions.
2. Communicate & understand biological principles verbally & in written form.
3. Explain concepts relating to the origin of life and how life evolved.
4. Defend evolutionary fact against alternative ideas on the origin of life.
5. Explain the concept of taxonomy and classify various life forms.
6. Explain concepts relating to animal behavior.
7. Describe the various biomes and aquatic environments on the planet and how life there has adapted.
8. Explain ecological concepts and how human population concerns are directly related to ecology.
9. Describe and show understanding of the three domains and five kingdoms of life.
10. Demonstrate competence in the biological systems.

COURSE CLIENTELE: Science majors, pre-nursing, pre-pharmacy, & pre-med students, & general biology requirements.

METHOD OF EVALUATION: Online homework, pop quizzes, and laboratory assignments.

IN THIS CLASS WE WILL TRY SOMETHING NEW, AS AN EXPERIMENT:

1. **EACH DAY WE WILL READ THE REQUIRED SECTIONS OF THE TEXT TOGETHER IN CLASS. DR. PERGAMS WILL EXPLAIN DIFFICULT SECTIONS, PROVIDE AUDIO/VIDEO ENRICHMENT, AND ANSWER QUESTIONS.**
2. **YOU WILL THEN COMPLETE THE ONLINE HOMEWORK AT HOME.**
3. **YOU WILL THEN HAVE A POP QUIZ ON THE READINGS AND THE ONLINE HOMEWORK AT THE BEGINNING OF THE NEXT CLASS.**

Attendance =	150 points =	4% of grade
Labs =	700 points =	20% of grade
Homework =	1200 points =	35% of grade
Pop Quizzes =	1400 points =	41% of grade
Total =	3450 points =	100% of grade

LAB ASSIGNMENTS:

Lab assignments are only given on the assigned dates. A missed lab assignment cannot be made up and will be counted as a zero. Labs will mostly be worth 100 pts., except the Evolution lab which is 200 pts.

MAKEUPS: You can make up an assignment or a quiz if you have official documentation that your absence was caused by either 1) a funeral of an immediate family member or 2) your or your child's stay in a hospital (not a doctor visit).

ATTENDANCE:

Attendance is a vital part of the learning process. Therefore attendance is always mandatory. You will get 5 pts. for every day you arrive by 8:15 & stay for the whole class period. This is required and not extra credit.

TARDIES:

Please try to make it to class on the scheduled start time. Coming to class late distract your fellow student and Dr. Pergams. If you must, come into class quietly and walk to the back. Do not parade in front of the class, because this is a distraction to the entire class. Being late to class will also hinder the learning process. You will miss out on vital information.

CLASSROOM CONDUCT:

1. Respect Dr. Pergams, fellow students, and yourself during class.
2. Do not talk while Dr. Pergams is lecturing, unless you have a question.
3. No eating in class, since this is a laboratory, it is dangerous to have food.
4. Do not distract your fellow student during class.
5. Rude or distracting behavior will not be tolerated and student may be asked to leave.
6. Please silence/set on vibrate all cell phones, etc. before entering the classroom. You may be asked to leave if your phone continues to distract the class.
7. Adhere to all laboratory safety rules. Noncompliance will result in your dismissal from the day's lab and a zero for that lab.

STUDY GUIDANCE:

Students are always encouraged to attend class on time!!! Students are encouraged to study every day. Cramming is never recommended. Successful passage of this course requires study time outside of the classroom. Students are encouraged to study approximately 7-10 hours per week outside of class time.

PLAGIARISM & CHEATING ON TESTS

The District and College's policies on academic integrity are listed in the Student Policy Manual: Link for Policies Page (<http://www.ccc.edu/menu/Pages/Policies.aspx>), Link for Student Policy Manual PDF (<http://www.ccc.edu/departments/Documents/studentpolicymanual.pdf>). The use especially of smart phones during exams will not be permitted.

TUTORING SERVICES:

Students are also encouraged to come to Dr. Pergams' office hours for tutoring or advisement services. Still additional free tutoring services are available in the Natural/Physical Sciences Lounge.

SPECIAL NEEDS SERVICE:

Students with special needs with proper documentation(s) are encouraged to seek these services in room 1410 or call (773) 291-6384. It is the policy of the City Colleges of Chicago that no qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of its services, programs or activities, or be subjected to discrimination. Our goal is to promote equality of opportunity and full participation in our services, programs and activities.

We will endeavor to provide reasonable modifications and/or accommodations to qualified individuals in accordance with the Americans with Disabilities Act (ADA) of 1990, Section 504 of the Rehabilitation Act of 1973, and all pertinent federal, state and local antidiscrimination laws. Students who believe they have a need for disability accommodations or modifications are responsible for requesting such accommodation or modification and are responsible for providing all requisite documentation to verify eligibility to the Disability Access Center (DAC). The DAC will make every effort to accommodate qualified students with disabilities as required by law.

WITHDRAW POLICY:

It is the student's responsibility to officially withdraw from class before the deadline. Please check with Registrar's Office for dates. The withdrawal deadline for Fall 2015 is Monday, November 16. A student who desires to withdraw either from the course or from the college must contact the Registrar's Office. Students who find that they cannot maintain regular attendance or cannot complete one or more courses in which they are enrolled must withdraw in person or online (not by telephone) to the Registrar's Office.

"NO SHOW" POLICY:

If a student registered for the course before the start time of the first class period, but 1) did not attend the first 2 classes, or 2) attended only 1 of the first 3 classes and failed to notify Dr. Pergams of his or her intentions to continue the class, the Registrar's Office will remove the student from the course.

ADEQUATE MID-TERM PROGRESS:

If at mid-term Dr. Pergams determines that it is no longer mathematically possible for you to earn a grade of C or better, you will be given an ADW (Administrative Withdrawal). **This is for your benefit:** if you no longer can get a transferable & passing grade, you should reallocate your efforts to other classes. Also, there is no reason to have a D or F on your transcript unnecessarily.



The URL with instructions for registering for the online homework is: <http://bit.ly/saplinginstructions>, and the text version is below.

1. Go to saplinglearning.com and click on the **US Higher Ed** at the top right.
2. Log in with your existing account or click **Create an Account**.
 - If you have a Facebook account, you can use it to quickly create a Sapling Learning account. Click Create my account through Facebook. You will be prompted to log into Facebook if you aren't already. Choose a username and password, then click Link Account.
 - Otherwise, supply the requested information (username, password, email, name, institution), and click Create My Account. Check your email (and spam filter) for a message from Sapling Learning and click on the link provided in that email. If you don't get the email within 30 minutes, contact support@saplinglearning.com.
3. Look for the gray bar entitled **Enroll in a new course**. Your username is already connected to your institution.
4. Click on Biology to expand the menu.
5. Click on Semester 2 to expand the menu further (**note** that Semester 2 refers to the second course in a sequence and not necessarily the second term of the school year).
6. Once the menus are fully expanded, you'll see a link to your course, Olive-Harvey CCC – BIO 122 Biology II – Fall 15 – PERGAMS. If this is indeed the course you'd like to register for, click the link. Otherwise, continue expanding the other menus until you locate the correct link and click it.
7. You may be asked to enter a **Key code**, which is not the same thing as an **Access Card Code** from a scratch-off card. However, this particular course does not have a key code. Skip this field.
8. Pay for the course. You may use a credit card, a PayPal account, or an **Access Card Code** (<http://www2.saplinglearning.com/help/how-do-i-enter-code-my-scratch-card>) from a scratch-off card purchased at your bookstore. You will also have the option to [enter the course for free for 14 days](#) or to use your [Sapling Learning credit](#).

When you return from paying, you will be enrolled in your course. If your credit card is not accepted or you have other difficulties with the payment process, contact [PayPal customer service](#) (they handle all of our payments, including credit cards).

Once you have registered and enrolled, you can log in at any time to complete or review your homework assignments. If you have any problems, send an email to support@saplinglearning.com explaining your issue.

CLASS & ASSIGNMENT SCHEDULE, INCLUDING GRADE POINTS*

Class	Date	Pts	Reading P	Lab	Pts	Online HW (due 10:45AM)	Pts	POP Quiz	Pts
	8/25		NO	CLASS	DR	PERGAMS	AT	HARVARD	
1	8/27	5	255-267						
2	9/1	5		Evolution				1	100
3	9/3	5	268-280						
4	9/8	5		Evolution		HW11	100	2	100
5	9/10	5	281-296						
6	9/15	5		Evolution		HW12	100	3	100
7	9/17	5	297-316						
8	9/22	5		Evolution	200	Black Rats paper	100	4	100
9	9/24	5	317-330						
10	9/29	5		Protists & Fungi		HW13	100	5	100
11	10/1	5	331-343						
12	10/6	5		Protists & Fungi	100	Buckthorn paper	100	6	100
13	10/8	5	344-360						
14	10/13	5		Animal Diversity I		HW14	100	7	100
15	10/15	5	361-372						
16	10/20	5	373-385						
17	10/22	5		Animal Diversity I	100	Mouse mtDNA paper	100	8	100
18	10/27	5	386-408						
19	10/29	5		Animal Diversity II		HW15	100	9	100
20	11/3	5	513-527						
21	11/5	5		Animal Diversity II	100			10	100
	11/7		XC	WETLAND		WORKDAY	50 XC		
22	11/10	5	528-544						
23	11/12	5		TBA		HW19	100	11	100
24	11/17	5	545-562						
25	11/19	5		TBA	100	Nature-Recreation paper	100	12	100
26	11/24	5	563-584						
	11/26		NO	CLASS		THANKSGIVING			
27	12/1	5	585-600						
28	12/3	5		Cut What You Want Day	700	HW20	100	13	100
29	12/8	5	601-612			XC Paper due	35 XC		
30	12/10	5				HW21, XC Presentations	100, 15 XC	14	100
		150			700		1200		1400

*Note: This is a tentative schedule and is subject to change at the discretion of Dr. Pergams. The number of labs especially may be reduced.

**COURSE SYLLABUS AGREEMENT
BIOLOGY 122 FJ/FJX
FALL 2015**

I, _____(your name printed clearly), have read and fully understand the course syllabus and lab safety guidelines for Biology 122 presented to me on _____(date) by my instructor. As a student in this course I agree to comply with these guidelines.

_____(your signature).

STUDENT INFORMATION:

Biology 122 SECTION FJ/FJX

Student ID number 00_____

Email address_____

Phone #_____

Major or Program of Study_____

Professional/Career Goals_____

Past Biology Courses Taken (include both high school and college level courses):

What is something (biology or health-related) that you've heard about in the news or elsewhere and you would like to learn more about in this class?

PLEASE FILL OUT AND RETURN TO DR. PERGAMS. THANK YOU!