

SUNY College at Old Westbury

**Biological Sciences Program
BS2411 – L31 Basic Bio II Lab Summer 2018**

Tentative Schedule & Syllabus

Class time: Tuesday & Thursday, 1:00-4:30 p.m.

Instructor: Dr. Ramesh Matcha.

Email: professormatcha@gmail.com

Lab textbook: Biological Investigations Dolphin, W. Latest Edition, McGraw Hill Publishing

Laboratory Grade

Lab Practical (50%)

There will be two practical exams during the semester, each worth 100 points. Lab exams will consist of 50 to 100 questions. Mostly fill-ins, a few true/false, and a few multiple-choice. Spelling and clear legible writing is important. If I cannot understand what you write for answers, they will be graded as wrong.

In-class Pre-lab quizzes (5%)

There will be a quiz before the beginning of each lab. Each quiz will be based on the previous and current weeks' laboratory activities. Materials from the quizzes are drawn from the assigned chapter, lab exercise and power point files which will be available on blackboard. No lab quiz will be dropped. You will not be allowed to do a quiz if you are late.

Lab Reports (40%)

You are expected to submit two laboratory reports, in the format consisting of: Title, author's name, name of institution, abstract, introduction, methods and materials, results, discussion and conclusion, and references. More specific information will be provided to you about this in class. The first lab report must be based on any labs covered before the first lab practicum, and the second on labs covered during the second half of the semester. You must inform the instructor about the laboratory you will be using to compile a report.

Laboratory Assignments/questions/completion of laboratory activities (5%)

Each week you are responsible for answering the questions assigned for each lab. They can often be completed during the lab exercise and checked before you leave. However, some questions may take some extra thought, and will need to be completed outside of class. In

this case, you will be provided a due date. Some questions will be posted online, on blackboard for completion.

Attendance:

If you miss a lab, you will receive a 0 on all associated materials (**quizzes and assignments**). If you miss 3 labs, you will fail the course. Please do not miss any labs.

Tentative Laboratory Schedule

Lab	Date	Lab Topic	Lab Exercise	Due
1	7/10	Cellular Respiration	7	
2	7/10	Photosynthesis/ Leaves	8	Writing: Results for Respiration Chpt. 8: LS:1-4 CT:2
3	7/12	Roots & Stems/Plant Cells Seed plants: life cycle & dispersal	23 & 24 17 & 25	Writing: Results and Discussion for Photosynthesis
4	7/17	*** Lab Practical 1***		First lab report due
5	7/19	Animal Body Plans	19	
6	7/24	Animal Form & Function Digestive	27	LS: Table 19.1 Study Questions, 1, 2, 3 CT:5
7	7/26	Musculoskeletal, Nervous & Sensory	30 & 31	Chap 27: LS: 1 CT:1
8	7/31	Circulatory and Gas exchange Excretory & Reproductive	28 & 29 & 27	Chp 30: LS: 1, 4, 5, 6 CT:1 Chp 31: LS:2, 3, 5, 7 CT:2 Chap 28: 3, 4, 5, 7 Chap 29: 2-4

9	8/02	Population/Review	32	Chap 27
10	8/07	***Lab Practical II***		2nd lab report due

