

**NEW** BSC2010 Laboratory Schedule for Term 20242 Session 1, Spring 2024. South Campus  
 Lab Manual: Pendarvis and Crawley. 2018. BSC2010L Lab Manual Custom: Broward College South  
 EBL3 2011. 3ed. Morton: Englewood. ISBN: 9781640434646

**Required Materials**

Lab Coat (full length) - available at bookstore [paper coats are acceptable]

Safety Glasses - available at bookstore, A surgical mask is strongly recommended.

To access the Safety Contract follow the link: <https://sites.broward.edu/science-wellness-south/student-safety-contract/>

WEEK OF	LAB	Exercises & Procedures	TOPIC
January 8, 9	1	Handout	Introduction and Lab Safety (Handout)
January 22, 23	2	3.1:1, 3.2:1-2, 4, 3.3:1	"The Invisible World: Understanding Microscopy"
January 29, 30	3	4.1:1-2, 4.2:1	"Back to Basics – Understanding Acids, Bases, and pH"
February 5, 6	4	5.1:1-2, 5.2:2, 5.3:1, 5.4:1	"The Composition of Living Things – Understanding Organic Molecules"
February 12, 13	5	6.1:1-2, 6.2:1, 6.3:2, 6.4:1 14.1:1	"The Building Blocks of Life – Understanding Cell Structure and Function" "Unraveling the Double Helix – Understanding DNA and the Genetic Code"
February 19, 20	6	8.1:1-2, 8.2:1-2	"Just Passing Through – Understanding Diffusion and Osmosis"
February 26, 27	7	7.1:1-3, 7.2:1	"Catalysts for Change – Understanding Enzymes"
March 11, 12	8	10.1:1-3	Investigating Cellular Respiration Using Vernier Sensors
March 18, 19	9	9.1:2-3, 9.2:1	"From Light to Energy – Understanding Photosynthesis"
March 25, 26	10	11.1:1-3, 12.1:1-2, 12.2:1	"Out of One, Many – Understanding Cell Division" "That's Just the Half of it – Understanding Meiosis"
April 1, 2	11	13.1:1, 13.4:1, 13.5:1	"It's All in the Genes – Understanding Basic Mendelian Genetics"
April 8, 9	12	14.1:1-5	Introduction to Molecular Biology Lab Techniques
April 15, 16	13	15.1:1 Ch. 15 Review #2-3	Restriction of Antibiotic Resistant Plasmids
April 22, 23	14	15.2:1-4	Ligation of Antibiotic Resistant Plasmids

**\*\*Important dates:**

January 15- No classes -- (Holiday) Martin Luther King Jr. Day

January 16- No BSC2010L at South Campus Only

March 4-10- No classes – Spring Break

March 22 -- Last Day to Withdraw or Change to/from Audit