Spring 2015 **Profs. Martin Yanofsky and Yunde Zhao**

BICD123: Plant Molecular Genetics Laboratory

March 30 (Monday)	Safety/Genetic Crosses	Yanofsky
April 1 (Wednesday)	Seed Storage Protein Expression/Protein gels	Yanofsky
April 6 (Monday)	Mutant PCR/Protein Gel Analysis/Plant Transformation	Yanofsky
April 8 (Wednesday)	Agarose Gels/Ligations/Transformations	Yanofsky
April 13 (Monday)	Minipreps/Digests/Gels/Sequencing	Yanofsky
April 15 (Wednesday)	Sequence analyses/Database search	Yanofsky
April 20 (Monday)	DNA markers and Positional cloning 1	Zhao
April 22 (Wednesday)	DNA markers and Positional cloning 2	Zhao
April 27 (Monday)	Stomatal movements	Schroeder
April 29 (Wednesday)	Nitrate reductase biochemical assay	Schroeder
May 4 (Monday)	Yeast complementation/heavy metal resistance	Schroeder
May 6 (Wednesday)	Environmental induction of nitrate reductase	Schroeder
May 11 (Monday)	Light signaling 1	Zhao
May 13 (Wednesday)	Auxin signaling 1	Zhao
May 18 (Monday)	Light signaling 2	Zhao
May 20(Wednesday)	Auxin signaling 2	Zhao
May 25 (Monday)	Holiday	
May 27 (Wednesday)	Allelism/Mutant screen	Yanofsky
June 1 (Monday)	GUS staining vs. In situs	Yanofsky
June 3 (Wednesday)	Final Exam	Yanofsky

Grading policies

Course Grade: Grades will be determined by a combination of the written lab reports (80%) and a Final exam (20%).

Late lab reports: All lab reports must be handed in on time to receive full credit. Late lab reports will be assessed a 10% penalty for each day it is late. For example, if a report is worth 20 points, a lab report handed in two days late could receive a maximum of 16 points.

Class Attendance: Students are expected to attend ALL of the lab classes. If, for reasons of illness, a student misses a class, they must write an essay on a topic that will be assigned by the instructor. If a student misses a class and fails to write the essay, they will lose 5% from the overall course grade.