BISP194: Environmental Regulation of Plant Development

General Information: Greetings BISP 194 students. I'm your instructor, Prof. Mark Estelle at mestelle@ucsd.edu. I hope that you are coming to this class eager to learn something about plants. I know that many of you will have little background in plant biology, and perhaps little interest. I hope to convince at least a few of you that plants are, indeed, very cool and important.

Class Content
Because they are sessile, plants exhibit a remarkable ability to sense their environment and to alter their developmental programs in response to changing conditions. As a result of this developmental plasticity, a plant's appearance can vary dramatically depending on the conditions in which it lives. In this course we will explore the mechanisms involved in environmental regulation of plant development.

Course Organization I will give lectures live on zoom at the regular class time on Fridays at 10:00 am. Each lecture will be recorded and posted as soon as it is available. I will also host a chat session on Wednesdays at 10:00 for questions. Or, you can email me directly with questions.

Grade
When I post each lecture recording, I will also post a short multiple-choice quiz that you will have one week to complete. Each quiz will be worth 10 pts. In addition, we will have a final exam worth 100 pts.

UCSD POLICY ON INTEGRITY OF SCHOLARSHIP
You are expected to read and abide by the UCSD POLICY ON INTEGRITY OF SCHOLARSHIP. Breach of policy will result in a failing grade.

Schedule

Date	Title/Topic
April 2	Introduction to plant development and tropisms
April 9	Tropisms and auxin
April 16	Florigen and flowering
April 23	Branching
April 30	Guest Lecture on Root Development: Prof Wolfgang Busch
May 7	Guest Lecture on plant biotechnology: Prof. Steve Mayfield
May 14	Light and regulation of plant development
May 21	Guest Lecture on Agrobacterium: Prof. Marty Yanofsky
May 28	Evolution and development
June 6	TBD