

# Syllabus for EEB 101

## Marine Botany

**DRAFT: SUBJECT TO CHANGE**

### **Professor:**

Dr. Peggy Fong, Botany 419  
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### **Teaching Assistants:**

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### **Undergraduate Assistant: ??**

Lecture: Tues and Thurs 12:30 - 1:45 La Kretz 120

Labs: 1A: Tues and Thurs 9 - 10:50 LS 1315  
1B: Tues and Thurs 2 - 3:50 LS 1315



Oct 7                                   **LAB 2: Light and growth of green algae: set up**

Oct 9                                   **LAB 2: Green algae, structure and identification**

### **WEEK 3**

#### **LECTURE**

Oct 14                                   Green Algae: Ecology and the Evolution of Land Plants

Oct 16                                   Chromophyta

#### **LAB**

Oct 14                                   **LAB 3: Identification of Green algae**

Oct 16                                   **LAB 3: Light and growth of green algae: break down**

### **WEEK 4**

#### **LECTURE**

Oct 21                                   Phaeophyceae I

Oct 23                                   Phaeophyceae II

#### **LAB**

Oct 21                                   **LAB 4: Brown algae, structure and identification**

Oct 23                                   **LAB 4: Identification of Brown algae**

**WEEKEND FIELD TRIP 1:      October 26<sup>th</sup> collecting trip to Morro Bay  
and Rancho Marino Reserve**

**WEEK 5**

**LECTURE**

Oct 28                      Kelp Forest Ecology

**Oct 30                      Midterm**

**LAB**

Oct 28                      **LAB 5: Identification of Brown algae**

Oct 30                      No scheduled events: catch up time

**WEEK 6**

**LECTURE**

Nov 4                      Rhodophyta I

Nov 6                      Rhodophyta II

**LAB**

Nov 4                      **LAB 6: Red algal structure**

Nov 6                      **LAB 6: Identification of Red algae**

**WEEK 7**

**LECTURE**

Nov 11                      Holiday

Nov 13 Rhodophyta III

**LAB**

Nov 13 **LAB 7: Identification of Red algae**

**WEEKEND FIELD TRIP 2: Nov 15 -16 collecting trip to Morro Bay and Rancho Marino Reserve**

**WEEK 8**

**LECTURE**

Nov 18 Rhodophyta IV

Nov 20 Cyanobacteria

**LAB**

Nov 18 **LAB 8: Identification of Red algae and Collections**

Nov 20 **LAB 8: Identification of Red algae**

**WEEKEND FIELD TRIP 3 (if needed): November 23 collecting trip to Morro Bay and Rancho Marino Reserve**

**WEEK 9**

**LECTURE**

Nov 25 Algal Ecology - Environmental Controls on Algal Diversity and Abundance: Light, Temperature, Water Motion, Salinity

Nov 27                      **Thanksgiving Holiday**

**LAB**

Nov 25                      **LAB 9: Finish Herbarium Presses**

Nov 27                      **Thanksgiving Holiday**

**WEEK 10**

**LECTURE**

Dec 2                      Seagrass and Mangrove Communities

Dec 4                      Coral reefs

**LAB**

Dec 2                      **LAB 10: Turn in lab notebooks and presses**

**Grading Structure:**

Midterm:                  100 points

Herbarium Press:      100 points

Notebook:                150 points

Final                      150 points

Total Points            500