Instructor:  Bruce Baldwin  
Office:  1012 VLSB (via 1001), Ph. 643-7008  
e-mail:  bbaldwin@berkeley.edu  
Office Hours:  Mon. 11-12; Wed. 10-11  

Teaching Assistants:  Ben Carter (morning section)  
Office:  4156 VLSB, Ph. 642-6810  
e-mail:  bcarter@berkeley.edu  
Office Hours:  TBA  

Tom Madsen (afternoon section)  
Office:  4156 VLSB, Ph. 642-6810  
e-mail:  tmadsen@berkeley.edu  
Office Hours:  TBA


Lecture times:  Tu/Th 1:10 - 2 PM, 3030 Valley Life Sciences Bldg.
Lab times:  Tu/Th 9:10 AM – 12 PM (Ben); Tu/Th 2:10 - 5 PM (Tom), both in 3030 Valley Life Sciences Bldg.

Grading Policy:
Lecture and lab grades averaged (each 2.0 units/300 points) -- enrollment in both lecture and lab is required

Lecture grade:
(1) Two lecture exams (100 points each)  
(2) Paper (≤5 pages of text) on topic in plant systematics:  100 points (toward lecture grade). Details on this assignment will be given in lab.

Lab grade:
(1) Two lab practicals (100 points each)  
(2) Four lab quizzes (25 points each)

Course Schedule:

| Tues. Jan. 19 | Thurs. Jan. 21 |
| Lecture: Introduction/Plant diversity (Baldwin) | Lecture: Principles of plant systematics (Baldwin) |
| Lab: Overview | Lab: Review of vegetative structures and functions |

| Lecture: Phylogenetics/Classification (Baldwin) | Lecture: Lycophytes and eusporangiate ferns (Baldwin) |
| Lab: Review of reproductive structures and functions | Lab: Lycophytes and eusporangiate ferns |

| Tues. Feb. 2 | Thurs. Feb. 4 |
| Lecture: Leptosporangiate ferns (Baldwin) | Lecture: Introduction to seed plants (Baldwin) |
| Lab: Leptosporangiate ferns 1 | Lab: Leptosporangiate ferns 2 |

| Tues. Feb. 9 | Thurs. Feb. 11 |
| Lecture: Conifers (Baldwin) | Lecture: Controversies over classification (Baldwin) |
| Quiz 1/Conifers 1 | Lab: Conifers |

| Tues. Feb. 16 | Thurs. Feb. 18 |
| Lecture: Cycads, ginkgos, and gnetophytes (Baldwin) | Lecture: Origin of flowering plants 1 (Baldwin) |
| Lab: Cycads, ginkgos, and gnetophytes | Lab: Quiz 2/"Basal" angiosperms 1 |

| Tues. Feb. 23 | Thurs. Feb. 25 |
| Lecture: Origin of flowering plants 2 (Baldwin) | Lecture: Caryophyllidae (Baldwin) |
| Lab: "Basal" angiosperms/Ranunculales | Lab: "Basal" eudicots/Caryophyllales 1 |

| Tues. Mar. 2 | Thurs. Mar. 4 |
| Lecture: Species concepts (Mishler) | Lecture: Plant diversification (Mishler) |
| Lab: Caryophyllales 2 | Lab: Botanical Garden/Review |
Tues. Mar. 9
Lecture: Pollination/Reproductive biology (Baldwin)
Lab: Lab practical 1

Tues. Mar. 16
Lecture: Biosystematics 1 (Baldwin)
Lab: Rosidae 1

Tues. Mar. 23
RECESS

Tues. Mar. 30
Lecture: Molecular systematics 1 (Baldwin)
Lab: Rosidae 3

Tues. Apr. 6
Lecture: Asteridae 1 (Baldwin)
Lab: Asteridae 2

Tues. Apr. 13
Lecture: Compositae (Baldwin)
Lab: Asteridae 4: Compositae

Tues. Apr. 20
Lecture: "Graminoid" monocots (TBA)
Lab: "Petaloid" monocots 2

Tues. Apr. 27
Lecture: Plant geography 2 (Baldwin)
Lab: Botanical Garden/Review

Lecture Final
Thurs. May 13: 3–6 PM in 3030 VLSB

Thurs. Mar. 11
Lecture: Midterm
Lab: Herbaria tour

Thurs. Mar. 18
Lecture: Biosystematics 2 (Baldwin)
Lab: Rosidae 2

Thurs. Mar. 25
RECESS

Thurs. Apr. 1
Lecture: Molecular systematics 2 (Baldwin)
Lab: Quiz 3/ Asteridae 1

Thurs. Apr. 8
Lecture: Asteridae 2 (Baldwin)
Lab: Asteridae 3

Thurs. Apr. 15
Lecture: "Petaloid" monocots (Baldwin)
Lab: Quiz 4/ "Petaloid" monocots 1

Thurs. Apr. 22
Lecture: Plant geography 1 (Baldwin)
Lab: Grasses/sedges/rushes

Thurs. Apr. 29
Lecture: Systematics and conservation (Baldwin)
Lab: Lab Practical 2