EECB 703 Calendar

# CALENDAR OF TOPICS, SPEAKERS AND READINGS

The course calendar is also available as a Google Calendar: [link](https://calendar.google.com/calendar/embed?src=1pfst79qqq79vbsl5orfv96f6s%40group.calendar.google.com&ctz=America/Los_Angeles)

Discussion groups can be found [here](allgroups.html). The person first in each list will be the discussion group leader. The second person in each list will be the designated note-taker (responsible for updating the [study guide](https://docs.google.com/document/d/1qn6WsiXiIBTktnpOW7EbHkpYNdjtE2FKPztTRpvMPYg/edit?usp=sharing)). All group members are expected to participate every week.

For the official list of readings and questions, [click here](https://docs.google.com/document/d/1VkpM0Mn4-rWlnWKV_EqKXxwHbXxZWWWWC4jCEDZXlSY/edit#)

## Aug 29

[Course overview, syllabus, etc.](INTRO.html)

## Sep 5

### Behavioral Ecology, Dr. Vladimir Pravosudov

[Trivers, R. L. (1974). Parent-offspring conflict. American zoologist, 14(1), 249-264.](Trivers%20-%201974%20-%20Parent-offspring%20conflict.pdf)

[Zahavi, A. (1975). Mate selectionâ€”a selection for a handicap. Journal of theoretical Biology, 53(1), 205-214.](Zahavi%20-%201975%20-%20Mate%20selectionâ€”a%20selection%20for%20a%20handicap.pdf)

[Davis, J. M., & Stamps, J. A. (2004). The effect of natal experience on habitat preferences. Trends in Ecology & Evolution, 19(8), 411-416.](Davis%20and%20Stamps%20-%202004%20-%20The%20effect%20of%20natal%20experience%20on%20habitat%20preferen.pdf)

### Diversity and Neutral Models, Dr. Lee Dyer

[Chave, J. (2004). Neutral theory and community ecology. Ecology letters, 7(3), 241-253.](Chave%20-%202004%20-%20Neutral%20theory%20and%20community%20ecology%20Neutral%20theo.pdf)

[Kraft, N.J., Comita, L.S., Chase, J.M., Sanders, N.J., Swenson, N.G., Crist, T.O., Stegen, J.C., Vellend, M., Boyle, B., Anderson, M.J. and Cornell, H.V., 2011. Disentangling the drivers of Î² diversity along latitudinal and elevational gradients. Science, 333(6050), pp.1755-1758.](Kraft%20et%20al.%20-%202011%20-%20Disentangling%20the%20Drivers%20of%20Î²%20Diversity%20Along%20Lat.pdf)

Recommended but not required: [Schemske, D. W., Mittelbach, G. G., Cornell, H. V., Sobel, J. M., & Roy, K. (2009). Is there a latitudinal gradient in the importance of biotic interactions?. Annu. Rev. Ecol. Evol. Syst., 40, 245-269.](Schemske%20et%20al.%20-%202009%20-%20Is%20There%20a%20Latitudinal%20Gradient%20in%20the%20Importance%20.pdf)

## Sep 12

### Diseases of wild populations, Dr. Jamie Voyles

### Specialization & niche dynamics, Dr. Matt Forister

## Sep 19

### Population ecology, Dr. Kevin Shoemaker

### Population genetics, Dr. Marjorie Matocq

## Sep 26

### Mathematical models for EECB, Dr. Paul Hurtado

### Landscape Ecology, Dr. Peter Weisberg

## Oct 3

### Soil Ecology, Dr. Ben Sullivan

### Microbial Ecology, Dr. David Vuono

## Oct 10

### Ecoimmunology, Dr. Angela Smilanich

### Physiological ecology, Dr. Jack Hayes

## Oct 17

### Community ecology, Dr. Beth Pringle

### Applied evolution, Dr. Beth Leger

## Oct 24

### Phenotypic Plasticity, Dr. Jenny Ouyang

### Chemical Ecology, Dr. Lora Robinson

## Oct 31

### Species & speciation, Dr. Matt Forister

### Paleoecology, Dr. Scott Mensing

## Nov 7

### Philosophy of Biology, Dr. Carlos Mariscal

### Genomic variation & architecture, Dr. Tom Parchman

## Nov 14

### Comparative genomics & gene evolution, Dr. David Alvarez-Ponce

### Ecological & evolutionary epigenetics, Dr. David Zeh

## Nov 21

### Conservation Biology and Ecosystem Management, Dr. Sudeep Chandra

### Phylogenetics, Dr. Guy Hoelzer

## Nov 28

### Global Change and Conservation, Dr. Ken Nussear

## Dec 5

### Final Study Session

## Dec 12

### Final exam

noon-3pm  
location TBA  
closed book; 10 short essays, ~300 words each, with questions chosen from a pool constructed as follows: from each of the 25 topics, I will pick 2 questions (so you'll see a list of 50 questions); I'll divide that list roughly into three parts (beginning, middle and end of the semester), and you'll have to pick 3 questions from the first, 4 questions from the middle and 3 questions from the end.

In other words, you have a ton of choice, but you also can't completely ignore some section of the course!

Although the exam is "closed book" and closed-internet, you can bring one sheet (8.5 x 11) of written notes, with writing on front and back.