Class will meet at CISAB, in people’s labs, at Kent Farm, at the imaging facility, etc.
Meeting times: 1:30-4:30 on Tuesdays, 12:30-1:30 on Thursdays are the formal times, students will be expected to participate at odd hours too
Enrollment is capped at 15

August 29
Working with wild animals – measuring molt in songbirds, collecting blood samples and feces, response to stressors – Ellen Ketterson

August 31-Sept 5
Extracting hormones and DNA from plasma, feces and yolk – Amy Poehlman and Danielle Whittaker

Sept 7-12
Measuring colorful phenotypes – Lynn Siefferman

Sept 14-19
Assessing relatedness - genotyping with microsatellites – Amy Poehlman

Sept 21-26
Measuring plasma - hormone levels and EIA/RIA– Danielle Whittaker and Amy Poehlman

Sept 28-Oct 3
Modeling the evolution of sex – Curt Lively

Oct 5-10
Employing neuroanatomical techniques to study sex differences – Dale Sengelaub

Oct 12-17
Designing questionnaires to study human sexual behavior– Stephanie Sanders

Oct 19-24
Imaging brains using fMRI – Heather Rupp

Oct 26-31
Analyzing immune function in birds and mammals – Greg Demas

Nov 2-7
Analyzing volatile metabolites in biological specimens using GC-MS techniques - Milos Novotny and Helena Soini
Nov 9-14
Understanding evolution using the comparative method – Emilia Martins

Nov 16-21
Employing comparative anatomy, immunostaining, in situ hybridization, and RNAi to study the evolution of development - Armin Moczek

Nov 28
Using Molecular techniques, particularly gene arrays to study reproduction – Christine Quirk

Nov 30-Dec 5
Recording electrical behavior in animals and cells to study sex differences – Troy Smith

Dec 7
Overview and retrospective – Ellen Ketterson

• On Thursdays we will introduce topics and the principles behind the methods. On Tuesdays we will do the lab or fieldwork.
• Students will need to be flexible and commit to coming in for more than the scheduled class time