

POPULATION GENETICS IS TAUGHT EVERY OTHER WINTER QUARTER

GEN 430/530 Introduction to Population Genetics
Winter 2002

3:30-4:50 Tues., Thurs., Nash 214

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Text: Hartl and Clark. 1997. Principles of Population Genetics, 3rd ed.

<u>Week</u>	<u>Topic (by week)</u>	<u>Chapter</u>
1/8 1/10	Intro stats, probability; Allele, gt freq., Hardy Weinberg	1: 1-22; 2: review as needed 3
1/15 1/17	Intro; Allele, gt freq., Hardy Weinberg	3
1/22 1/24	Linkage disequilibrium	3
1/29 1/31	Population subdivision, inbreeding, F statistics	4
2/5 2/7	Population subdivision, inbreeding, F statistics **Hand out 1 st problem set 2/7/02	4
2/12 2/14	Mutation, migration **1 st problem set due at beginning of class 2/12/02	5
2/19 2/21	Drift, effective size	7
2/26 2/28	Drift, effective size selection	7 6
3/5 3/7	selection	6
3/12 3/14	Special topics **pick up second problem set <i>Monday</i> 3/12/02 after 10am **2 nd problem set due <i>Friday</i> 3/15/02 at 5:00 pm	

Note: the above schedule is is flexible. We will speed up or slow down as needed.

Grading: Each take-home problem set is worth 47.5%. Participation in class-room problem solving sessions is worth 5%. Both problem sets are take-home, open book. Absolutely no consultation with others on the take-home problem sets! Students signed up for Gen 530 must review a published manuscript (details will be given out in class).

Bring calculator to class so we can work problems together.

Misc info: last day to add/drop 1/21/02;
last day to withdraw or change to S/U grading is 2/22/02