

ASSIGNED LECTURE PROBLEMS (FALL 2002)

SS = Snustad & Simmons, Principles of Genetics, 3rd edit.

ES = Elrod & Stansfield, Theory and Problems of Genetics, 4th edit.

Topic:

Monohybrid cross: **SS** Ch3/1,2,3,4,

ES Ch 2/2,3,23,24,27,28,29.

Dihybrid (multihybrid) cross: **SS** Ch 3/5,6,7,9,10,11,17

ES Ch2/15,48,49,50,51,52,54,55,57,70,72.

Incomplete dominance: **SS** Ch 3/8; Ch4/1.

ES Ch 2/4,16,30,32.

Lethal genes: **SS** Ch 4/14,

ES Ch 2/17,33,34,36,63(a,b),65,68.

Multiple alleles: **SS** Ch 4/2,3,4,5,6,7,8,9.

ES Ch 2/7,37,38,39,40,41,42,58,59,61

Epistasis: **SS** Ch 4/17,18,19,20,21,25,26,27,28.

ES Ch 4/1,2,3,4,5,8,10,11,12,13,14,15,16,23(a,b),28,31(a,b),33;

ES/Page 135/Multiple choice problems 1,2,3,4,5.

Sex determination: **SS** Ch 6/ 5,15,16,17,19,22,23.

ES Ch 5/19,20,21,22,23,

Sex influenced, sex limited: **ES** Ch5/6,27,28,29,30,32,33,34,35a,

Sex linkage, etc.: **SS** Ch 6/2,3,6,7,8,9,13,19,20,21; Ch 4/15.

ES Ch 5/10,12,13,24,25,26

Linkage and mapping: **SS** Ch 8/3,4,6,7,8,9,11,12,13,14,16,17,21,22,23,25;

SS Ch 9/12,13,14,15,16.

ES Ch 6/2,6(individual crosses only),11,14,15,17,18,19(F₁ males only),24,25,27,29,31.

Tetrad analysis: **SS** Ch 9/3,4,8,9.

ES Ch 6/9,34,35

Definitions of the gene: **SS** Ch 15/1,3,4.

Chromosome aberrations: **SS** Ch 7/7,8,10,12,14,15,16,17,18,19,22,25.

ES Ch 7/31,32,33,34.

If you need help, see me in my office; that is what office hours are for!