

## Exam 2, Summer 2017

The exam will be comprised of 60 multiple-choice/true-false questions worth 3 points each, and 2 short answer questions worth 10 points each, for a total of 200 points. Topics covered will include lecture-lectures Meiosis through History, and lab-lectures Inheritance through Natural Selection. See lecture "review" links on the course website for lists of vocabulary terms and processes to know. You will answer 2 of the 3 short answer questions provided, whichever 2 you feel most confident about. Short answer questions will be created from the following topic areas:

Meiosis, including the various ways genetic variation is created during gametogenesis

Microevolution versus macroevolution, including lines of evidence that support each

Making RFLPs and interpreting RFLP bands, in relation to gel electrophoresis

Gene expression (transcription and translation) in eukaryotes

Darwin's rationale for natural selection as the mechanism for evolution

**M-c/t-f questions will be answered on a Scantron form 882-E. Make sure you bring one to the exam.**

**The s-a questions will be answered on the question form itself.**