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Kentucky Class Notes

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A&S 300 Sargent

Test 1

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A&S 300 Sargent
Spring 2011
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Lecture 1 – 1/12/2011

- Basic Class Information
 - No labs will be held this week or next.
 - To access all course documents including the syllabus, go to the course website
 - darwin.uky.edu/~sargent/teaching.htm
 - Click on BIO325 and all pertinent information will be located there.
 - We do not have to buy the books as we will not be working directly from them. All excerpts will be made available online.
 - All Saturday labs will be held at ERF located off of Russel Cave Road.
 - Quick sample/idea of an exam question
 - Given this (phenomenon), come up with a hypothesis and experiment to test it
- Interaction: a statistical concept
 - This comes from a verbal concept that “the whole is other than the sum of its parts” (as said by Aristotle in *Metaphysica*)
 - Utilize the equation: $Y = ax_1 + bx_2$
 - Allow Y to be the whole, x_1 to be part 1, and x_2 to be part 2; a and b are coefficients
 - This equation can also become: $Y = ax_1 + bx_2 + cx_1x_2$
 - Here, the letters represent the same things as in the original equation, with the addition of c being another coefficient.