

Natural Systems 1, Fall '01 Exam 1 Review
Monday, 9:30pm, 217 Boyd Hall October 8, 2001

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Be prepared to understand concepts. Be able to work earth-moon-sun scale model problems. Be able to calculate a mean and standard deviation, range, etc. Know what a t-test is and how it is used (think Frisbees, but we may ask you to interpret a statistical result in an ecological context). Know how to interpret a p value.

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So,...

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- Understand basic statistics. Do you know how to calculate a mean, standard deviation, or median?
- Why is good sampling design important?
- Know what a t-test is used for. Know how to interpret results (p values). If you get a p value <0.05 , do you reject the null hypothesis? If you get confused, go back to the Frisbee lab experience. Ask you profs. Speak to peer science students.
- Know the phases of the moon completely.
- Earth-Moon-Sun "scale model" calculations.
- Any lecture material (Myers and Dorsey)
- Any reading material
 - Measuring Time
 - Stats
 - Pedagogy of the Oppressed
 - What's happening with coral reefs?
 - Accounting for Environmental Assets
 - Maps
 - Threats to Biodiversity
 - Toxic Wastes
 - How Safe is Your Water?
 - Toxic Truth or Consequences
 - The Toxics Boomerang
 - Once and Future Farming
 - And,.....Cities, Urban Ecosystems, Tapwater