

## Guidelines for Biol. 707/807 Lab Reports:

### **Work in groups; submit individual reports.**

1. Format- scientific paper (introduction, methods, results, discussion, literature cited), use of literature optional, literature cited and citations in style of *Ecology* required.
2. Data- concise tables of means (in appropriate units) with error terms included in results section.
3. General tips- results section should consist of a narrative with appropriate references to tables or figures.
4. Topics-
  - a) Plant organic matter pools – **Must** include all plant pools (live standing dead, litter) in  $\text{g/m}^2$  ; **must** make appropriate comparisons with data from previous years and among different segments of the transect.
  - b) Group study – **Must** include results appropriate to each study in energy units ( $\text{kcal/m}^2$  or  $\text{kcal/m}^2/\text{day}$ ); compare across transect if appropriate.
  - c) NPP and decomposition – **Must** include NPP estimates across transect in  $\text{g/m}^2/\text{day}$  **and**  $\text{kcal/m}^2/\text{day}$ ; **must** present decomposition rates as % mass loss **and** instantaneous decay rate and compare across transect.
  - d) Grandview model – **Must** include conceptual model, model parameters in appropriate units, model equations, and results of required analyses (free and forced responses, step and impulse responses, sensitivity analysis, and “free form” manipulations).