Pattern and Process I Grading

- Clarity (5 points)
  - section headings, organization, overall clarity
- Pattern (10 points)
  - clearly identify a specific pattern
  - explain why it’s interesting, non-random
  - identify species involved
- Hypothesis (15 points)
  - mechanistic, process driven
  - clear link to pattern, would logically generate pattern
  - not a restatement of pattern
- Experiment (20 pts)
  - Relates to hypothesis (not a test of pattern itself)
  - Feasible, practical
  - Clear predictions with interpretation of what different results mean for hypothesis
  - Design needs to allow you to isolate a single factor to look at one at a time

Pattern and Process II (due 7/24)

- Follow all suggestions from Pattern I
- New handout on web
- Introduction section that provides context, makes it clear why the pattern is interesting
- Clearly identify a specific pattern, in text and figure form. Must be a new pattern!
- Propose two hypotheses. No more, no less.
- At least one hypothesis should draw on a course concept.
- Clearly explain how each hypothesized mechanism could generate the pattern.

Pattern & Process II (due 7/24)

- Propose one experiment for each hypothesis.
- Provide enough detail in methods to recreate the experiment. If you can’t provide details, maybe it isn’t feasible.
- Describe possible results that would support or refute each hypothesis, in text and graphical form.
- 3 page limit on text (figures not counted toward limit).
- 25% penalty if turned in 7/26, not accepted any later.