# THIS WEEK IN BI 101

### EXAM #1 IS MONDAY OCT. 20, 7:00 - 7:50 P.M.

#### TUESDAY LECTURE



Lakes and Succession Standing bodies of freshwater that can change over time.

# LECTURE

THURSDAY

Wetlands and Water Issues Mixed terrestrial and aquatic ecosystems. RECITATION



**Insects** Beetles, bugs, and more in this diverse Class of invertebrates.

#### LABORATORY



Mammals Characteristics and classification with a special focus on beavers.

#### ON-LINE READINGS



**Eutrophication and Beavers** *Excessive nutrients in lakes; interesting* 

beaver facts.



#### Work Ahead for Tuesday's Lecture

Read "<u>Eutrophication</u>" and answer the following questions.

Where do pollutants in lakes come from?

What is the difference between point source and non-point source pollution?

How does acid rain impact fish and other aquatic organisms?

What are some of the effects of harmful algal blooms?



Exam locations are posted at the course website.

What causes lake eutrophication?

# Work Ahead for Thursday's Lecture and Lab

Review "<u>Beavers</u>" and answer the following questions.

What do beavers use **castoreum** for?

What part of the tree do beavers eat?

How do beaver activities relate to succession (long term ecosystem changes)?

#### OCT 20 - OCT 24 2014

#### WEEK FOUR

#### **Work Ahead for Recitation**

In the activity manual, read over *Insects* to answer these questions.

Besides insects, what are other examples of Arthropods? (hint: there were examples in the Marine Animals lab)

Which insect is part of the largest Order in Class Insecta? (p. 63)

Some insects, like butterflies, undergo **complete metamorphosis**. What are the four stages of their life cycle? (p. 65)

Importance of Beavers:

#### Work Ahead for Laboratory

In the activity manual, read over *Mammals* to answer these questions.

What is **scat**? (p. 73)

Provide examples of mammals that represent each of the following groups:

Carnivorans:

Rodents:

Ungulates:

If your exam #1 results are not as high as you

would like... First do the "Exam Results Analysis" portfolio assignment (activity manual, p. 68). Next, seek assistance from the Teaching Team (office hours are posted at the course website).

Beavers are an example of a keystone species, meaning they impact many other species in their habitat.

## Resources for Exam Studying



#### Your Course Materials: Your lecture notes, filled in

laboratory and recitation activities, and any other study materials.

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#### Course Objectives: Located in Appendix A and at the course website.

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#### Last Year's Exams: Located in Appendix D.



Weekly Online Previews: This one and the rest posted at the course website.