Lab Reviews
Monday,
June 29, 2009
KIN 1071

- What is it? – *an opportunity to see all of the specimens and slides one more time & to ask Qs*

- Sign-up for one session only.

- Note times.  Limit = 30 students per session

- Come and go as you need during that time.
#### Midterm Review Sessions

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<td>8:30 - 10:00a.m.</td>
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<tr>
<td>2</td>
<td>10:00 - 11:30a.m.</td>
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<td>3</td>
<td>11:30 - 1:00p.m.</td>
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<td>4</td>
<td>1:00 - 2:30p.m.</td>
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<tr>
<td>5</td>
<td>2:30 - 4:00p.m.</td>
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<td>6</td>
<td>4:00 - 5:30p.m.</td>
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<td>9</td>
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Practical Exam:
Wednesday, July 1, 2008
KIN 1071

Be careful of times!
Exam & review session schedules differ.

Students are responsible for taking note of this!

Actual exam lasts less than 40 minutes.

Hence each exam includes a buffer at the end of it… but
Each session will start on time!

Limit = 25 students per session. No extras!
# Midterm Exam Sessions

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<td>9:15</td>
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<td>Session 2</td>
<td>10:00</td>
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<td>Session 3</td>
<td>11:00</td>
<td>11:15</td>
<td>12:00noon</td>
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**Break 12n – 1pm**

| Session 4 | 1:00       | 1:15   | 2:00p.m.        |
| Session 5 | 2:00       | 2:15   | 3:00p.m.        |
| Session 6 | 3:00       | 3:15   | 4:00p.m.        |
| Session 7 | 4:00       | 4:15   | 5:00p.m.        |

**Break 5 - 6pm**

| Session 8 | 6:00       | 6:15   | 7:00p.m.        |
| Session 9 | 7:00       | 7:15   | 8:00p.m.        |
| Session 10| 8:00       | 8:15   | 9:00p.m.        |
| Session 11| 9:00       | 9:15   | 10:00p.m.       |
Special Needs Students

- Students eligible for special assistance (e.g. extra time) must sign up for the LAST review (9) & LAST exam session (11).

- They must have their signed documentation on file with the lab coordinator prior to entry into either.
Exam - Grade / Question Distribution

15% OF YOUR OVERALL GRADE

~1/3 Taxonomy & identification

~1/3 Structure & function

~1/3 Comparisons between phyla
Exam - Point / Time Distribution

25 stations - 2 questions per station
50 questions total - 1 point per question

+ 1 rest stop (if needed)

Round 1 - 60 SECONDS (1 min.) per station
= 26 minutes for round 1

Round 2 - 30 SECONDS (1/2 min.) per station
= 13 minutes for round 2

Total exam time needed = 39 minutes

- ¾ minute (45 seconds) per question total!
Exam - Grading Policies

- **Capitalize taxa** Points WILL be deducted for not doing so. If you wish to use all capitals, make sure the first letter is most definitely twice as big as the rest.

- **Spelling**
  1 letter will be overlooked
  2 letters - lose ½ point
  3 letters - lose 1 point

- **Rules** - only apply if 1 or 2 letters do not create another word that could imply that the student does not know the answer to the question!

  Stoma (pore) / Stroma (chloroplast)  Rat/Cat
  Mesohyl (Porifera) / Mesophyll (of Plants)
Exam - Rules!

- Sign up for one exam!
- Arrive at least 10 minutes prior to your session talk time.
  If you are late you may not be let in!
- Bring only a couple of pencils and an eraser
- You will be given a pre-exam introduction re exam rules!
  Keep eyes on your own paper (Turn caps around, pull hair away from face.)
  Nothing to give you an unfair advantage etc, etc……
- Sign your sheet – Academic Honor Policy
- Grades will be posted on Blackboard.
  Grades are NOT given out by phone or by e-mail.
When you sign your response sheet your signature it corresponds to 3 statements:

- You understand and agree to abide by the FSU Academic Honor Policy
- You have neither given nor received help on this exam (nor will you (e.g. by looking at or copying another’s answers).
- You promise NOT to discuss the exam with anyone until after the LAST exam session.

You will also be asked to write on your paper the last

4 digits of your FSU Student ID #

This ‘#’ begins with 2 letters.
To access it go to: Blackboard, Secure Apps, FSU ID Management.

DO not write your Soc. Sec # or the # on your FSU card on your paper
Student ‘flow’ around lab 1071

- Back Sink and Aquaria
- Computers
- Side sink
- Podium
- Rest Stop
DON’T FORGET ......
STUDY the MICROSCOPE
- USAGE & PARTS!!!

* Compound vs. Dissection
* How to illuminate an opaque vs. transparent object
* Magnification formula
Light Scope Info.

**Dissecting Scopes** enable you to see in 3-D (stereoscopically) while viewing opaque objects (e.g. dissections, entire small organisms) and to view transparent objects (large slides of whole mounts).

**Compound scopes** allow you to view only very thin transparent objects (thin slices or microscopic organisms made into slides).

**Magnification** of either scope ($Mag. = POO$)  
= Product of Objective power x Ocular power

**Terminology:**
- Common to both: eyepiece, ocular, ocular focus, objective, arm, stage, coarse focus knob.
- Dissecting: base-plate, magnification selector or zoom
- Compound: fine adjustment, iris diaphragm, condenser
List of phyla for the midterm practical

KINGDOM ANIMALIA

LAB 1  PHYLUM Porifera
LAB 2  PHYLUM Cnidaria/Ctenophora
LAB 3  PHYLA Platyhelminthes & Nemertina
LAB 4  PHYLA Nematoda, Rotifera & Ectoprocta

PHYLUM Annelida

PHYLUM Arthropoda

(SUPHYLA Trilobitmorpha, Crustacea & Chelicerata.)
COMPARISON Qs

A. How many of the following organisms are at the organ level of organization?

B. Give the letter(s) of the organism(s) that has(have) a CLOSED circulatory system.

Compare traits and systems such as circulatory, excretion, reproduction etc. and group Phyla when studying!!!
Body Types

Asconoid, Syconoid, Leuconoid

PHYLUM Porifera

Body Forms

Medusa vs. Polyp

PHYLUM Cnidaria

= How you classify them

How do you ID them???? (= spicules!)
Level of Organization

Cell - PHYLUM Porifera

Tissue - PHYLA Cnidaria & Ctenophora

Organ - PHYLUM Platyhelminthes onward...
Tissue Layers

- **Diploblastic** - 2 Cell Layers
  - PHYLUM Cnidaria & Ctenophora

- **Triploblastic** - 3 Cell Layers
  - PHYLUM Platyhelminthes onward...
Coelom Formation

Acoelomates (2 phyla)
Pseudocoelomates (3 phyla)
(Eu)Coelomates (5 phyla)

We are only dealing with two eucoelomate phyla this practical exam…
Acoelomates
- PHYLUM Platyhelminthes
- PHYLUM Nemertina

Pseudocoelomates
- PHYLUM Nematoda
- PHYLUM Rotifera
- PHYLUM Ectoprocta

(Eu)Coelomates
- PHYLUM Annelida
- PHYLUM Arthropoda

  PHYLUM Mollusca
  PHYLUM Echinodermata
  PHYLUM Chordata
Digestive System

Incomplete (no anus)
PHYLUM Cnidaria & Ctenophora

Complete
PHYLUM Platyhelminthes

PHYLUM Nemertina onward......