# ANNOUNCEMENTS

23 April 2015

1. **Oral Presentations**: I will spend the rest of this week trying to learn if you are partnered and you have a topic. Since there are groups of 2, one of you can be the "liaison" with me by reporting what you will talk about and who your groups are. I will then order the groups by a number, then use a randomizer to order the sequence of presentations. I will then inform you of the date when your group is to present. In a future announcement, I will describe when presentations will start and how I anticipate the proceedings will go, since this will be more first experience at such an organization.

   At the end of these announcements, I have put the titles of student presentations for the previous several terms. I do not know if many of those presentations were on-topic or how they were graded. Please re-read the syllabus to determine what is on-topic, and you can safely send me the topic of your presentation and I can say whether I believe it is relevant.

2. **Quiz #1 Results**: I will have those ready for you on Monday, 27 April. I will digitize (scan) all quizzes and if you prefer, I can send you the PDF of your graded quiz. This is my procedure for all quizzes and exams: to keep an electronic copy since it's easier to carry around. If you want the actual paper, let me know by email and I will bring it to class to give you or you can take it during my Wednesday office hour.

   In looking at the answers of the quiz, I noticed that many did not get the answer to the reaction energy diagram completely right, of those who chose to answer it. In particular, the horizontal axis is not a "time" dimension, but rather a "reaction coordinate": that is, a point or state of the reaction. And in endothermic reactions, energy input is required, so the level of energy of the products is higher than the level of energy of the reactants.

3. **Mondays**. For the next several weeks you will be having either a quiz or the midterm on Mondays, according to the calendar. I will try to get you a Learning Objectives sheet a few days before each. I will tell you next Wed 29$^{th}$ what the midterm will cover: either the first 11 or 12 lectures, depending on where we are. All Learning Objectives documents plus the final one before the midterm will apply

4. **Anticipating the Final Exam**. While still a bit away, you should understand that the final examination will be comprehensive (cover all the lectures), although there will more emphasis on the lectures that came AFTER the midterm. In addition material from student presentations will be incorporated into the examination.

5. **Updated Calendar**. The updated calendar is given at end of these announcements.

Below is a list of titles of student presentations from previous terms. I have selected a couple of presentations that I think were on-topic and you might benefit from looking at the differences. In looking at the presentations, take caution at things I observed.

**Fall 2014**

Anaphylaxis-peanut allergies.pptx
Candida.pdf
Cell Phys. Cerebral Palsy Presentation.pdf
Cilia.pptx
Cortisol.pdf
Ebola.pdf
Enterovirus D68-2.pdf
fluvaccine.pdf
Glucosamine.pptx
HPV Cervical Cancer.pdf
Insulin Resistance and Yoga.pdf
Perceiving the Cell Differently.pptx
Poliovirus.pptx
Spinal Muscular Atrophy.pptx
Superoxide Dismutase.pdf
Vitamin D.pptx
Yoga.pdf

**Summer 2014**

Acid and Alkaline in Your Diet.pptx
Apoptosis RA.pptx
Aspartame.pptx
CONCUSSIONS.pdf
Creatine.pptx.pdf
Meditation.pptx
Omega-3 Fatty Acids.pptx
Oral Cancer.pdf
Prions.pptx
Stem Cells Blindness.pptx

**Spring 2014**

Bone Marrow.pptx
Exercise Energy.pptx
Gluten Celiac Disease.pptx
Glyphosate in GMOs_Effects.pptx
Medical Marijuana.pptx
Multiple Sclerosis.ppt
sleep deprivation.pptx
VitaminD3FINAL.pptx

**Winter 2014**

Calcium and Chiropractic.pptx
Diatoms Nanotechnology.pptx
Female Reproductive System.pdf
Omega 3.pptx
pH Levels in Cancerous Muscle Cells.pptx
Physiology of Fight Flight Response.pdf
Progeria.pptx
Proteoglycans.pptx
Rhabdomyolysis.pptx
Stem Cells.pptx
T-Cell Therapy.pptx
Xylitol.pdf

**Fall 2013**

Adrenal fatique.pptx
Apoptosis.pdf
Cell Intention Final Presentation (1).pptx
Cultured Insulin.pptx
Earthing.pptx
Effects of Meal Frequency on Carbohydrate and Fat.pptx
Eicosanoids.pdf
Embryology.pptx
emotion and the cell.pptx
Epigenetics.pdf
HIVPresentation.pptx
HLA Antigen Autoimmune Disorders-2-2.pptx
Maximizing Mitochonderia.pdf
Mendelian Genetics (1).pdf
Muscle mechanics slow vs fast.pptx
NSAIDs.pptx
Protein folding.pptx
Protein transport.pptx
Proteins the building blocks of life.pptx
Vegan Diet.pdf
What is the difference between Lysozyme and Lysosomes.pptx
Whatsinyourshower.pdf

Notes for your presentations:

1. **Time of Presentation**. Please consider that the total period for your group to get things setup and to finish Q&A is 15 minutes. This means the time you have for speaking to your audience will probably be 1-2 minutes less for getting setup, and maybe 1-2 minutes for questions and answers. The best talks are practiced at least once, and maybe twice! You can learn a lot about timing from a strictly timed practice talk, as well as how deliver the talk effectively. If you found that you made 35 slides for a 10-minute talk, please re-think that, unless you are sure that you can zip through many slides and keep the audience from becoming dizzy. Practicing your talk will also reveal where you can fix errors and make improvements in presentation.
2. **References**: the slide(s) at the end should cite your sources. You should have most of your work backed up by citations to peer-reviewed literature: probably review articles, perhaps original research articles. You should learn ALSO how to cite the literature properly. Microsoft Word versions 2007 and later will help you format your citations. Go to References: insert all your citations with Insert Citation: New Source. Be sure to fill in as many fields in the form as a possible, and make sure to select the proper source type: book, book chapter, journal article, etc. Now select Bibliography→Insert Bibliography. Cut and paste the formatted text (or perhaps the numbered list) into your PowerPoint. Reduce font size without changing any bold or italic or other formatting for your PowerPoint. It is absolutely important to learn proper citation format and be consistent about it, whichever you choose.
3. **Effective PowerPoints**
   a. Copying and pasting whole sentences of text as your bullet points in PowerPoints is not particularly the best way. Use a few words in your bullet points to prompt you what to say, but also sufficiently with keywords to help your audience.
   b. The usual but not strict rule is that bullet points should not be complete sentences but rather phrases or sentence fragments.
   c. An all-text-and-no-images/visuals PowerPoint is also likely to put your audience to sleep: make sure you have interesting visuals
   d. Avoid too many slides that are for laughs: some presentations get carried away with the humor and less about getting the point/information across. Be judicious in the use of slides that might distract from the point
4. **Quizzing the Audience**. A great many of these presentations actually put questions to the audience to quiz them: some even had multiple choice questions. You can consider posing one or two questions to the audience within your talk. Be careful about the time though.

**CELL PHYSIOLOGY (PHYS. 115) COURSE CALENDAR (SPRING 2015):**

| Week/Date | | Teaching Activity | Topic/Description |
|---|---|---|---|
| **WK1** | Apr 6 | Lecture-1 | Cell structure and function |
| | | Lecture-2 | Chemistry Review -Reactivity, Bonds, Reactions, Enzymes, Water |
| | Apr 8 | **HC Exams** | |
| **WK2** | Apr 13 | Lecture-3 | Chemistry Review -Inorganic Components in the Cell |
| | | Lecture-4 | Chemistry Review -Organic Components Carbohydrate & Proteins |
| | Apr 15 | **QUIZ-1 & REVIEW** | |
| | | Lecture-5 | Chemistry Review -Lipids |
| **WK3** | Apr 20 | Lecture-6 | Cell Membrane Structure & Function |
| | | Lecture-7 | Cell Signaling & Receptors |
| | Apr 22 | Lecture-8 | Cell Junctions |
| | | Lecture-9 | Cell membrane transport-Passive Transport |
| **WK4** | Apr 27 | **QUIZ-2 & REVIEW** | |
| | | Lecture-10 | Cell membrane transport-Active Transport (Part-I) |
| | Apr 29 | Lecture-11 | Cell membrane transport-Active Transport (Part-II) |
| | | Lecture-12 | Bulk Transport |
| **WK5** | May 4 | **MIDTERM EXAM** | |
| | | **EXAM DISCUSSION** | |
| | May 6 | Lecture-13 | Metabolism & ATP (Part-I) |
| | | Lecture-14 | Metabolism & ATP (Part-II) |
| **WK6** | May 11 | **QUIZ-3 & REVIEW** | |
| | | Lecture-15 | Cell Organelles-I (Mitochondria, Endoplasmic Reticulum, Golgi Complex, Lysosomes and Peroxisomes) |
| | May 13 | Lecture-16 | Cell Organelles-II (Microfilaments, Microtubules, Nucleus, Cell Cycle. |
| | | Lecture-17 | Nucleic acids & Chromosomes |
| **WK7** | May 18 | **QUIZ-4 & REVIEW** | |
| | | Lecture-18 | Protein synthesis |
| | May 20 | Lecture-19 | Mitosis |
| | | Lecture-20 | Meiosis |
| **WK8** | May 25 | **HOLIDAY --- NO CLASSES** | |
| | May 27 | **QUIZ-5 & REVIEW** | |
| | | **Students' Presentations** | Final presentations will be maximum **15 minutes** in length, including set-up and Q&A. Attendance is required on the days of students presentations. Participation by attendees in discussion following the presentations is expected. Topics covered by students' presentations will be included in the final exam |
| **WK9** | Jun 1 | **Students' Presentations** | |
| | Jun 3 | **Students' Presentations** | |
| **WK10** | Jun 8 | **Students' Presentations** | |
| | Jun 10 | **Students' Presentations / REVIEW** | |
| **WK11** | **Jun 15-** | **FINAL EXAM** | |

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|---|---|---|---|---|
| | **to Jun 19** | | | |