GENERAL BIOLOGY Homework & Reading Schedule  
Winter 2016

NOTE! HOMEWORK POLICY - Homework assignments are due on date and time listed. Late assignments will be accepted until April 23, at start of class, but will only receive 50% of score and will not receive feedback. No assignments will be accepted after April 23, start of class. No exceptions.

WEEK 1 (JAN 16): Intro to Biology & Chemistry Basics  
- **ACTIVITY:** Film Study Worksheet for documentary "Blackfish." **Due Jan 16,** at end of lab.  
- **ACTIVITY:** We will listen to, and complete part of an assignment on Radiolab "Yellow Fluff & Other Curious Encounters” Podcast. **Due Jan 23,** at start of class.  
- **HOMEWORK:** Biology Coloring Workbook: 1-1, 1-4, 1-5, 1-6. **Due Jan 23.** Turn in book at start of lab.  
- **READING:** "Current Controversies in the Biological Sciences” Pages 17-111. Complete before Feb 6 (Exam #1).

WEEK 2 (JAN 23): Biological Cells & Nutrition  
- **LAB MANUAL ACTIVITY:** Lab 1 – Cells, BIO 100 Lab Manual & Lab 2 - Nutrition, BIO 100 Lab Manual. **Due Jan 23,** at end of lab.  
- **HOMEWORK:** Biology Coloring Workbook: 1-1, 1-4, 1-5, 1-6. **Due Jan 23.** Turn in book at start of lab.  
- **HOMEWORK:** Radiolab “Yellow Fluff & Other Curious Encounters” Podcast Homework. **Due Jan 23,** at start of class.  
- **HOMEWORK:** Biology Coloring Workbook: 1-3, 2-1, 2-3, 2-4, 2-5, 2-6, 9-17. **Due Jan 30.** Turn in book at start of lab.  
- **HOMEWORK:** Diet Tracking Tables. **Due Jan 30,** by end of lab.  
- **READING:** "Current Controversies in the Biological Sciences” Pages 17-111. Complete before Feb 6 (Exam #1).

WEEK 3 (JAN 30): DNA & Cell Division: Mitosis & Meiosis  
- **LAB MANUAL ACTIVITY:** Lab 3 – Cellular Reproduction  
- **HOMEWORK:** Biology Coloring Workbook: 1-3, 2-1, 2-3, 2-4, 2-5, 2-6, 9-17. **Due Jan 30.** Turn in book at start of lab.  
- **ACTIVITY:** Mitosis & Meiosis Diagrams. **Due Jan 30,** at end of lecture.  
- **HOMEWORK:** Diet Tracking Tables. **Due Jan 30,** by end of lab.  
- **HOMEWORK:** Biology Coloring Workbook: 2-15, 2-16, 2-17, 4-1, 4-2, 4-4, 10-3. **Due Feb 6.** Turn in book at start of lab.  
- **HOMEWORK:** "Henrietta’s Tumor” Radiolab Podcast Homework. **Due Feb 6,** at start of lecture.  
- **READING:** "Current Controversies in the Biological Sciences” Pages 17-111. Complete before Feb 6 (Exam #1).

WEEK 4 (FEB 6): Development, Tissues & Organ Systems  
- **EXAM #1 Feb 6, 8am!**  
- **LAB MANUAL ACTIVITY:** Lab 4 – Development, BIO 100 Lab Manual. **Due Feb 6,** at end of lab.  
- **HOMEWORK:** “Henrietta’s Tumor” Radiolab Podcast Homework. **Due Feb 6,** at start of lecture.  
- **HOMEWORK:** Biology Coloring Workbook: 2-15, 2-16, 2-17, 4-1, 4-2, 4-4, 10-3. **Due Feb 6.** Turn in book at start of lab.  
- **READING:** “Current Controversies in the Biological Sciences” Pages 17-111. Complete before Feb 6 (Exam #1).  
- **HOMEWORK:** Biology Coloring Workbook: 1-2, 9-1, 9-2, 9-3, 9-8, 9-19, 10-5, 10-6. **Due Feb 13.** Turn in book at start of lab.  
- **READING:** “Current Controversies in the Biological Sciences” Pages 329 – end of book. Complete before Feb 20 (Exam #2).
WEEK 5 (FEB 13): Heredity
• LAB MANUAL ACTIVITY: Lab 5 – Sex & Punnett Squares, BIO 100 Lab Manual. Due Feb 13, at end of lab.
• ACTIVITY: Mendelian Inheritance In Humans Exercise (Handout). Due Feb 13, at end of lab.
• HOMEWORK: Biology Coloring Workbook: 3-1, 3-2, 3-3, 3-5, 3-11. Due Feb 20. Turn in book at start of lab.

WEEK 6 (Feb 20): Gene Expression & Epigenetics
• LAB MANUAL ACTIVITY: Lab 6 – DNA Fingerprinting. Due Feb 20, at end of lab.
• ACTIVITY: Radiolab “Inheritance” episode (We will listen to and discuss portions of this episode in class, and I will provide a printout of the assignment). Due Feb 27 at end start of class.
• HOMEWORK: Biology Coloring Workbook: 3-1, 3-2, 3-3, 3-5, 3-11. Due Feb 20. Turn in book at start of lab.
• HOMEWORK: Biology Coloring Workbook: 4-8, 4-9, 4-10, 4-16, 4-17. Due Feb 27. Turn in Book at start of lab.

WEEK 7 (FEB 27): Evolution
• EXAM #2 Feb 27, 8am!
• LAB MANUAL ACTIVITY: Lab 7 – Natural Selection and Predator Prey Coevolution. Due Feb 27, at end of lab.
• ACTIVITY: Radiolab “Darwinvaganza” episode (We will listen to this episode in class, and I will provide a printout of the assignment). Due Feb 27, before end of lab.
• ACTIVITY: Radiolab “ New Nice” episode (We will listen to this episode in class, and I will provide a printout of the assignment). Due March 5, at start of class.
• HOMEWORK: Radiolab “Inheritance” episode. Due Feb 27 at start of class
• HOMEWORK: Biology Coloring Workbook: 4-8, 4-9, 4-10, 4-16, 4-17. Due Feb 27. Turn in Book at start of lab.
• HOMEWORK: Biology Coloring Workbook: 5-1, 5-2, 5-3, 5-4, 5-8, 5-9, 6-4. Due March 5. Turn in book at start of lab.
• READING: For readings on evolution, see the “Class Notes” articles on our class main page The Virtual Biology Classroom, under Evolution topic. I will announce any additional evolution readings from the Evolution Book. Complete before March 26 (Exam #3).

WEEK 8 (MARCH 5): Biological Classification / Viruses
• LAB MANUAL ACTIVITY: Lab 8 – Biological Classification. Due March 5, before end of lab.
• ACTIVITY: Radiolab “Shrink” Episode (We will listen to and discuss this episode in class, and I will provide a printout of the assignment.) Due March 19, at start of class.
• HOMEWORK: Radiolab “ New Nice” episode (We will listen to this episode in class, and I will provide a printout of the assignment). Due March 5, at start of class.
• HOMEWORK: Biology Coloring Workbook: 5-1, 5-2, 5-3, 5-4, 5-8, 5-9, 6-4. Due March 5. Turn in book at start of lab.
• HOMEWORK: Biology Coloring Workbook: 6-5, 6-6, 6-7, 6-8. Due March 19. Turn in book at start of lab.
• READING: For readings on evolution, see the “Class Notes” articles on our class main page The Virtual Biology Classroom, under Evolution topic. I will announce any additional evolution readings from the Evolution Book. Complete before March 26 (Exam #3).

SPRING BREAK! SPRING BREAK! SPRING BREAK! SPRING BREAK!
WEEK 9 (MARCH 19): Bacteria
• **LAB MANUAL ACTIVITY:** Lab 9 – Bacteria. *Due March 19,* before end of lab.
• **HOMEWORK:** Radiolab “Shrink” Episode (We will listen to and discuss this episode in class, and I will provide a printout of the assignment.) *Due March 19, at start of class.*
• **HOMEWORK:** Biology Coloring Workbook: 6-5, 6-6, 6-7, 6-8. *Due March 19.* Turn in book at start of lab.
• **READING:** For readings on evolution, see the “Class Notes” articles on our class main page The Virtual Biology Classroom, under Evolution topic. *Complete before March 26 (Exam#3).*

WEEK 10 (MARCH 26): Protista
• **EXAM #3 March 26, 8am!**
• **LAB MANUAL ACTIVITY:** Lab 10 - Protistans. *Due March 26,* before end of lab.
• **ACTIVITY:** Radiolab “Parasites” episode (We will listen to and discuss part of this episode in class, and I will provide a printout of the assignment.) *Due April 2, at start of class.*
• **HOMEWORK:** NO Biology Coloring Workbook assignments this week. You can use this stime to catch up or work ahead.
• **READING:** For readings on evolution, see the “Class Notes” articles on our class main page The Virtual Biology Classroom, under Evolution topic. *Complete before March 26 (Exam#3).*
• **HOMEWORK:** Biology Coloring Workbook: 6-9, 6-10, 6-11, *Due April 2.* Turn in book at start of lab.
• **READING:** "Field Guide to Germs“: Introduction, p. 3-20; Anthrax p.23 -26; Lyme disease p. 30 – 33; Candida (yeast) p. 36 - 37; Chlamydia p. 39 – 41; Cholera p. 41-48; Clostridium p. 48-53; E. coli p. 65-67; Helicobacter pylori p. 77-78; hepatitis – influenza p. 78-96; Ebola p. 100-103; Neisseria p. 111-114; rabies & rhinovirus p. 130–134; smallpox, Staph & Strep p.142-157; tuberculosis p. 163-170; black plague (Yersina pestis) p. 184-191. *Complete before April 30 (Final Exam).*

WEEK 11 (APRIL 2): Plants
• **LAB MANUAL ACTIVITY:** Lab 11 – Land Plants. *Due April 2,* before end of lab.
• **ACTIVITY:** Radiolab “Parasites” episode (We will listen to and discuss part of this episode in class, and I will provide a printout of the assignment.) *Due April 9, at start of class.*
• **HOMEWORK:** Biology Coloring Workbook: 6-9, 6-10, 6-11, *Due April 2.* Turn in book at start of lab.
• **HOMEWORK:** Biology Coloring Workbook: 6-12, 7-1, 7-2, 7-3, 7-4, 7-5, 7-6, 7-9, 7-10, *Due April 9,* Turn in book at start of lab.
• **READING:** "Field Guide to Germs“: Introduction, p. 3-20; Anthrax p.23 -26; Lyme disease p. 30 – 33; Candida (yeast) p. 36 - 37; Chlamydia p. 39 – 41; Cholera p. 41-48; Clostridium p. 48-53; E. coli p. 65-67; Helicobacter pylori p. 77-78; hepatitis – influenza p. 78-96; Ebola p. 100-103; Neisseria p. 111-114; rabies & rhinovirus p. 130–134; smallpox, Staph & Strep p.142-157; tuberculosis p. 163-170; black plague (Yersina pestis) p. 184-191. *Complete before April 30 (Final Exam).*

WEEK 12 (APRIL 9): Animals
• **LAB MANUAL ACTIVITY:** Lab 12 – Animals. *Due April 9,* before end of lab.
• **HOMEWORK:** Radiolab “Parasites” episode (We will listen to and discuss part of this episode in class, and I will provide a printout of the assignment.) *Due April 9, at start of class.*
• **HOMEWORK:** Biology Coloring Workbook: 6-12, 7-1, 7-2, 7-3, 7-4, 7-5, 7-6, 7-9, 7-10. *Due April 9,* Turn in book at start of lab.
• **HOMEWORK:** Biology Coloring Workbook: 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-8, 8-9. *Due April 16.*
• **READING:** "Field Guide to Germs“: Introduction, p. 3-20; Anthrax p.23 -26; Lyme disease p. 30 – 33; Candida (yeast) p. 36 - 37; Chlamydia p. 39 – 41; Cholera p. 41-48; Clostridium p. 48-53; E. coli p. 65-67; Helicobacter pylori p. 77-78; hepatitis – influenza p. 78-96; Ebola p. 100-103; Neisseria p. 111-114; rabies & rhinovirus p. 130–134; smallpox, Staph & Strep p.142-157; tuberculosis p. 163-170; black plague (Yersina pestis) p. 184-191. *Complete before April 30 (Final Exam).*
WEEK 13 (APRIL 16): Animal Behavior

• MOVIE: “Elephant in the Living Room” video and assignment. Due April 23, at start of class.

• ACTIVITY: Animal behavior dominance observations of African cichlid fish.

• HOMEWORK: Biology Coloring Workbook: 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-8, 8-9. Due April 16.

• READING: "Field Guide to Germs": Introduction, p. 3-20; Anthrax p.23 -26; Lyme disease p. 30 – 33; Candida (yeast) p. 36 - 37; Chlamydia p. 39 – 41; Cholera p. 41-48; Clostridium p. 48-53; E. coli p. 65-67; Helicobacter pylori p. 77-78; hepatitis – influenza p. 78-96; Ebola p. 100-103; Neisseria p. 111-114; rabies & rhinovirus p. 130–134; smallpox, Staph & Strep p.142-157; tuberculosis p. 163-170; black plague (Yersinea pestis) p. 184-191. Complete before April 30 (Final Exam).

WEEK 14 (APRIL 23): Review

WEEK 15 (APRIL 30): Final Exam (Cumulative!). NO LAB! Just final 😊