Instructor: Hisaya Fukui ('Sye')
 Lab hours: Lab (55030) Tue 2:30-5:35pm EBS 209

 Email: hfukui@sbcc.edu
 Lab (61496) Thurs 2:30-5:35pm EBS 209

 Phone: 965-0581 Ext 2311
 Lab (61496) Thurs 2:30-5:35pm EBS 209

Course Description and Student Learning Outcomes (SLO's):

Zoology 123 labs are designed to provide students with a hands-on experience examining a wide breadth of animals representing different animal phyla. By closely examining live and preserved specimens students will gain a strong understanding and appreciation for the wide diversity in animal life cycles, body morphology and adaptations. At the completion of this course students should be able to:

- Identify invertebrates and vertebrates to phylum and class, and common animals to species.
- Examine life histories and reproductive strategies of specific animals from different animal phyla and the role these have played in the evolution of diversity within groups.
- Demonstrate proficient laboratory procedures such as the use of compound and dissecting microscopes, micro-slide preparation, proper dissecting tool use during anatomical examinations, and proper handling and care of live animals.
- Demonstrate proper dissection techniques of animals from a variety of animal phyla for revealing internal anatomy and the relationship of organs and organ systems.
- Create hand-drawn illustrations of animals from all major phyla, identifying both internal and external anatomical features and features required for the completion of life histories.

| Course Schedule: | Lab #: Description | Lab Quizzes |
|------------------------|--|--|
| Week 1: Jan 15, 17 | #1: Microscopy & Plankton | No Quiz |
| Week 2: Jan 22, 24 | #2: Poriferans & Cnidarians | #1: Microscopy & Plankton |
| Week 3: Jan 29, 31 | #3: Platyhelminthes & Pseudocoelomates | #2: Poriferans & Cnidarians |
| Week 4: Feb 5, 7 | #4: Annelids | #3: Platyhelminthes & Pseudocoelomates |
| Week 5: Feb 12, 14 | #5: Molluscs | #4: Annelids |
| Week 6: Feb 19, 21 | #6: Arthropods I: Crustaceans | #5: Molluscs |
| Week 7: Feb 26, 28 | Lab Practicum #1 | No Quiz |
| Week 8: Mar 5, 7 | #7: Arthropods II: Insects & Spiders | #6: Crustaceans |
| Week 9: Mar 12, 14 | #8: Echinoderms | #7: Insects & Spiders |
| Week 10: Mar 19, 21 | #9: Fishes | #8: Echinoderms |
| Week 11: Apr 2, 4 | #10: Amphibians | #9: Fishes |
| Week 12: Apr 9, 11 | #11: Non-avian Reptiles | #11: Amphibians |
| Week 13: Apr 16, 18 | #12: Avian reptiles ('Birds') | #12: Non-Avian Reptiles |
| Week 14: Apr 23, 25 | #13: Mammals | #13: Birds |
| Week 15: Apr 30, May 2 | #14: Movie Day | #14: Mammals |

Final Lab Exams Schedule: Tue Lab→ Tue May 7: 2:00-4:00pm, Thurs Lab → Thurs May 9: 2:00-4:00pm

Attendance:

You are expected to attend each and every lab and to arrive at class on time. If you miss a lab, it is your responsibility to obtain lab manual material and drawings from a lab classmate. You must provide the instructor with proper documentation in order for an absence to be considered an 'excused' absence. Students with 3 or more unexcused absences from labs may be dropped from the course.

Quizzes:

Quizzes will be given at the beginning of each lab on the dates listed above. Each quiz is worth 5 points and there are no make-up quizzes. Quizzes will cover lecture material from the previous lab. Lab notebooks or notes may NOT be used during quizzes

Laboratory Assignments:

You will be required to complete a lab manual each week during lab except on exam days. It is your responsibility to print out each week's lab manual from Canvas on your SBCC Pipeline account and to bring it to lab each week. Each lab manual is worth 15pts and must be each student's own work. Completed lab manuals are due the following week unless noted otherwise by the instructor. There are no make-ups for missed lab manuals. Important: Students are required to check-out with the lab instructor prior to leaving lab each week to show that you have completed the required lab assignment and animal drawings. Failure to check-out will result in a 5pt deduction from your lab manual score each time this occurs

Laboratory Exams:

Lab exams are 'open-book' exams- lab notebooks & lab manuals may be used during the exam. Photocopied drawings or photographs are not allowed during these exams. The final lab practicum is a non-comprehensive exam and will only include material covered since the first lab practicum.

Student Evaluation:

Grades are awarded based on laboratory notebooks, quizzes, lab manuals, and 2 lab exams. For lab notebook guidelines please refer to the first several pages of lab manual #1. You are required to bring your lab notebook to every lab. The instructor will check your notebooks periodically during labs and they are to be turned in on the day of your final lab practicum. Lab notebooks will be graded according to: 1) complete set of animal drawings, 2) correct date & format, 3) Correct taxonomic info provided, 4) proper sequence of lab material, 5) Lab participation, 6) Drawings: Accuracy, effort, & detail, 7) Notebook: Overall completeness, orderliness, & appearance

| | | Course Grade Scale: |
|-------------------------|---------------------|---------------------|
| Quizzes (13) | 65pts (5pts/ea.) | 90-100% A |
| Lab Manuals (14) | 210pts (15pts/ea.) | 80-89% B |
| Laboratory Notebook | 100pts | 70-79% C |
| Laboratory Practica (2) | 200pts (100pts/ea.) | 60-69% D |
| | | 0-59% F |

Accommodations for Students with Disabilities:

Disabled Student Programs and Services (DSPS) coordinates all academic accommodations for students with documented disabilities at Santa Barbara City College. If you have, or think you might have, a disability that impacts your educational experience in this class please contact DSPS to determine your eligibility for accommodations. DSPS is located in the Student Services (SS) Building, Room 160. Their phone number is <u>805-730-4164</u>.

If you are already registered with DSPS please submit your accommodation requests via the 'DSPS Online Services Student Portal' as soon as possible. This needs to be done each semester. If you have any questions or concerns about your accommodations, please make an appointment with a DSPS Counselor.

Please complete this process in a timely manner to allow adequate time to provide any special accommodations necessary.

Additional Comments:

I am very excited to have you in my animal diversity lab this semester! I am here to help you succeed and I am always available to help you with any concerns or issues that may arise during the course of the semester. I can always be reached via email and usually have time to talk at the end of lab. I am more than willing to schedule a meeting outside of lab hours if you feel the need to discuss matters further. In addition, please let me know if you need further assistance and I will provide you with contact information for any of the student services provided on campus.