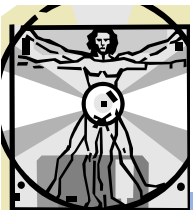


Sensation & Perception

PSYC 4041 / 6014

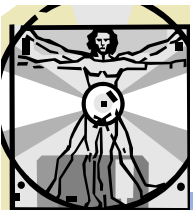
Spring 2020

Dr. Bruce Walker



S&P: Overview

- How do humans (and other animals) sense and perceive the world?
- Consider philosophical questions that humans have long posed about perception
- Study the methods and techniques scientists use to try to answer them
- Study the sensory pathways, fundamental perceptual processing, and higher-level meaning-making
- Start with the skin senses and chemical senses followed by audition, vision, etc.
- Consider sensation and perception from several perspectives: physiological, psychophysical, ecological, motivational, and computational

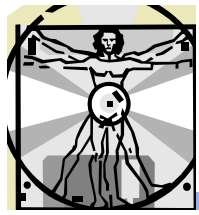


Administrivia

- **Instructor:** Bruce Walker
- **Office:** Room 230, Psych Building
- **Telephone:** (404) 894-8265
- **Email:** bruce.walker@psych.gatech.edu

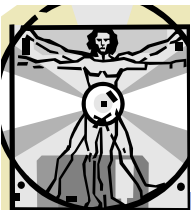


- <http://sonify.psych.gatech.edu/~walkerb/classes/perception/>
- **TA:** Brittany Noah
- **Lab Instr.:** Rachel Stuck
- **Required Textbook:**
 - ❖ Goldstein, E. B. (2017). *Sensation and Perception*, 10th Edition. Cengage Learning. (ISBN-10: 130558029X ISBN-13: 978-1305580299)
 - ❖ Textbook is available in hardcover, as well as various electronic versions. It may be purchased or rented in print or electronic format.
 - ❖ See syllabus for details
- **Note:** Additional readings will be required. It is the student's responsibility to obtain and read all required readings before the class in which they are discussed.



Outline of Topics

1. History & Methods of S&P
2. Skin senses
3. Pain
4. Chemical Senses
5. Orienting
6. Audition
7. Vision
8. Time Perception
9. Perceptual Development

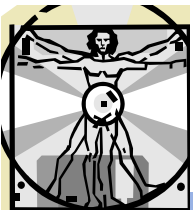


Grading

Midterm I	50
Midterm II	50
Final Paper/Proposal (6014)	(100)
Final Exam	100
<hr/>	
TOTAL:	200 (300)

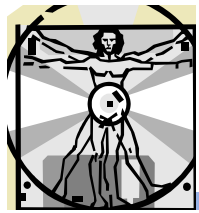
4041 LAB Grade: 25% of the overall grade.

Note: Read online syllabus carefully regarding assignments, reading, expectations, grading, and most of all, the final paper/research proposal.

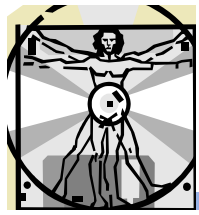


Some General Points

- We hope to have discussions and perhaps even interesting debate...
- BUT this requires you to learn lots of background facts. So read and prepare before class.
 - ❖ Don't expect to get everything you need to know from the lectures--you may be tested on stuff never covered in class.
 - ❖ Don't expect to get everything you need to know from the textbook & readings--come to class.
- Respect and consideration are important:
 - ❖ Show up on time, turn off your cell phones, don't play *Minecraft* in class... you know, remember all those things your mother taught you about good manners.



Questions?...

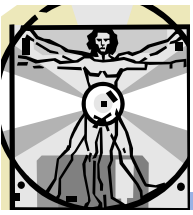


Sensation & Perception Questions

➤ Christopher's "Broken fish"



Spring 202



Other Questions...

- If a tree falls in the forest....?
- Why is the sky blue (or is it)?
- Can a computer see as well as we can?
- What is it like to feel no pain (none at all!)?
- Can babies hear before they are born?
- What, really, is “brain freeze”?
- What makes food spicy?
- Do blind people hear better?
- What happens to our senses as we get old?