

Textbook

A Concise Guide to Psychobiology. (Available from the UT Student bookstore and the Rocket Bookstore on Bancroft.)

Policies

Attendance consists of taking quizzes and exams on time. These policies and procedures will be followed as closely as possible, but are subject to change.

Course Requirements

Your grade for the course is based on seven exams, each covering two-three chapters. You will be allowed to retake one exam at the end of the course. **The grade you receive on the retake will**

The exam schedule can be found on the Home Page.

Each exam will have 20-32 questions.

Honesty. You may not receive help from anyone while taking an exam. Students are

expected to adhere to the University of Toledo's policy on honesty, which can be found at:
<http://www.utoledo.edu/dl/students/dishonesty.html>

Scoring Exams. The exam questions will be matching or multiple choice, with each question based on a practice question.

Note that you will have anatomy questions from previous exams appearing on subsequent ones.

Hear & Spell Tests

In order to be considered educated, you must pronounce and spell names and technical terms correctly. For this reason, many pronunciations are included in the textbook.

Topics Covered

Chapter 1

Introduction to Neuroscience

Introduction

What is Neuroscience?

History of Neuroscience

Who are Neuroscientists

Chapter 2

Brief Introduction to Neuroanatomy

Introduction to the Nervous System

Commissures

Prenatal Development

Genes

Postnatal Development

Chapter 7

Sensation & Perception + Vision

Part I

Sensation & Perception

Vision Part I

Physics of Light

The Eye

Planes of Orientation

Brain Scans

the Eye

Two Common Non-Refractive Problems of

the Eye

Chapter 11
Chemical Senses: Taste, Olfaction, and the Vomeronasal Organ

- Introduction
- Taste (Gustation)
- Olfaction (Sense of Smell)
- Vomeronasal Organ
- Cranial Nerves

Chapter 12

- Aggression
- Reward Centers in the Brain
- Stress

Chapter 17
Brain Mechanisms in Learning

- Introduction
- Habituation and Sensitization
- Classical Conditioning
- Operant Conditioning
- The Medial Temporal Lobe and Memory

