

Fall 2022 Syllabus
New York City College of Technology
Section D022

VISUAL PERCEPTION

Psychology 3407
Tuesday 11:30 AM - 2 PM
Namm-420B

Instructor:	Daniel Capruso, PhD	Office:	Namm-625
e-mail:	dcapruso@citytech.cuny.edu	Office Tel:	(718) 260-5098
Mailbox:	Namm-611	Office Hours:	T,Th 10:15-11:15 AM and by Appt

Topics and Objectives: The subject matter is visual perception. The aim of the course is for students to gain a scientific understanding on how light energy causes our brain to experience objects and space. Specific topics include visual neuroanatomy and neurophysiology, psychophysics, ocular anatomy, color vision, form perception, perceptual organization, motion perception, spatial perception including stereoscopic (3D) vision, visual constancy, visual illusions, and visual hallucinations. All concepts involving biology, anatomy, and physiology will be fully explained. Previous coursework in those areas is *not* required.

Required Textbook: None. Summaries of all lecture materials are posted on BlackBoard (see below).

Attendance: CityTech Attendance Policy permits 2 absences for courses meeting 1x/week. If you exceed this limit without explanation to the instructor, you will be assigned a withdrawal grade. If something interferes with your attendance, then please e-mail or call the instructor as soon as possible to avoid withdrawal.

Grading Policy:

(1) Tests: There will be four multiple choice tests, each contributing 25% toward your grade. The tests, including the final exam, will not be cumulative. If you miss a test for a legitimate reason (e.g., serious illness, death of a relative) you must be prepared to provide appropriate written documentation, or you may receive a score of zero.

(2) Stereograph Project: There is an applied requirement. You must demonstrate an ability to produce an image in stereoscopic depth (a stereograph or “3-D” picture). You are to produce a stereograph and submit it to the instructor and your peers. Credit of +5 points on your test average will be given for this project. Up to one-third of persons have weak depth perception. If you have weak depth perception, the instructor will work with you to accommodate your level of visual ability.

(3) Final grade: Your final grade will be based on the formula $((\text{test1} + \text{test2} + \text{test3})/3) + 5$ Stereo Project points. Letter grade will be assigned using the scale established by CityTech: A:93-100, A-:90-92, B+:87-89, B:83-86, B-:80-82, C+:77-79, C:70-76, D:60-69, F:59 or less. If the stereograph project is not done you may receive an incomplete.

Electronic Access to Course Materials:

- (1) All course documents and concise versions of the lecture notes will be placed on CUNY Blackboard. These materials will form a study guide and outline for the tests. You will not be able to pass the course if you do not access and study the lecture notes on Blackboard.
- (2) The instructor may revise and make additions to the lecture notes before tests. Please check BlackBoard periodically to make sure that you have the most current versions of the lecture notes.

Courtesy:

- (1) Please come to class on time. If you arrive late, please take your earphones out before you enter the classroom.
- (2) **NO TEXTING during lecture!**
- (3) Please turn off cell phones and all electronic devices when class begins. If you are “on call” because of some special circumstance (e.g., a sick relative) then please notify the instructor before the class begins. Please do not go into the hall to answer a cell phone call, and then return to class.
- (4) If you must leave early, then please notify the instructor in advance.
- (5) When e-mailing, either use your CityTech account, or identify yourself in the subject line.
- (6) Electronic recording of the instructor is not permitted.
- (7) You are expected to speak with or respond to the instructor when addressed.

Class participation and interaction with the instructor: Your participation in class is expected. If addressed by the instructor you are expected to have the courtesy to engage with the instructor and provide a substantive response.

Schedule (subject to change with notice):

<u>Date</u>	<u>Topic</u>
8/30	Introduction Anatomy of the Eye Visual Neuroanatomy Psychophysics Neurophysiology
9/20	Test #1 Color vision Form Perception/Perceptual Organization Motion Perception Spatial perception/Anamorphosis
10/25	Test #2 Stereopsis Perceptual Constancy
11/22	Test #3 Illusions Perceptual Development Hallucinations
12/20	Test #4