

**Perception and Mind
CG44 – Spring 2007**

MWF 10:30-11:50, Wilson Hall 101

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Text: *Perception 5th Edition* by Blake & Sekuler
McGraw-Hill, ISBN 0072887605.

If you buy a used copy be sure not to buy the 4th Edition!

To save \$\$\$:

- 1) Check ebay – copies go for ~\$50.
- 2) Consider the eBook version – downloadable PDF or read on-line
<http://ebooks.primisonline.com/eBookstore/> [look under Psychology]

Requirements:

- 1) One paper: 2500-4000 words [5% for outline/25% for final paper]
- 2) Two short-answer exams [30% each]
- 3) Class participation/attendance [which we do notice! 10%]

Paper topic: Develop a variation on a perceptual illusion, or if you are really daring, developing a completely new perceptual illusion [in our experience many Brown students *are* really daring - how is that for a challenge?]. Note that this doesn't have to be a long paper – it could be a very cool demo you built, or web pages, or whatever, just so you scientifically explain why it works and what it tells us (with references!!!). The best paper ever was actually a cartoon book.

<i>Jan 25</i>	Intro to the Course
<i>Jan 30</i>	Light and Eyes
<i>Feb 1</i>	The Retina
<i>Feb 6</i>	Early Vision
<i>Feb 8</i>	Higher-Level Visual Pathways
<i>Feb 13</i>	Color Vision
<i>Feb 15</i>	Color Vision - Constancies
<i>Feb 22</i>	Motion Perception
<i>Feb 27</i>	Ecological Approach to Perception
<i>March 1</i>	Midterm <u>[short answer]</u>
March 5	Interaction with the Environment and Virtual Reality (Hugo Bruggeman)
March 8	Perceptual Organization
<i>March 13</i>	3D Shape Perception from motion and stereo
<i>March 15</i>	3D Shape-cues to depth
<i>Mar 20</i>	High level vision (Erika Scilipoti)
<i>Mar 23</i>	High level vision (Erika Scilipoti)
<i>April 3</i>	The Ear (Andrew Wallace)
<i>April 5</i>	Hearing-listening (Andrew Wallace)
<i>April 10</i>	Speech (Laurie)
<i>April 12</i>	Face recognition (Mike Tarr)
<i>April 17</i>	<i>Presentations Illusions</i>
<i>April 20</i>	<i>Presentations Illusions</i>
<i>April 24</i>	Motor Control (Hadley Tassinari)
<i>April 27</i>	Review session
<i>May 1-16</i>	Reading period – Complete Paper and Prepare for Exam
<i>May 10</i>	<u>Paper due in Metcalf 120 [$< 5pm$]!</u>
<i>May 16 9am</i>	<u>Final Exam [short answer]</u>

Citations in Research Papers

This course requires you to write a research paper. Successful papers or projects will involve library research from *primary* sources such as academic journal articles, book chapters, and books. Whenever you use material from *any* source (not just those listed, e.g., the web counts too), you need to properly cite this in your paper. There are three levels of citations:

1. If you use the *ideas* from a source you should cite the author(s) in the text. For example:

Tarr (1989) speculated that current theories of visual perception were hogwash.

2. If you use the *exact wording* from a source you should put the copied text in quotes and then cite the author(s). For example:

It has often been said that "...the radicalism of the 60's was a natural response to the conservatism of the 50's" (Tarr, 1977).

3. If you use an *extensive amount of material* taken word for word from a source you should use a block quote and cite the author(s).

Note that you should rarely if ever use a block quote in a research paper. Much better to give your interpretation of what was said and just be careful to cite the source of the ideas.

Note that if you use several ideas from the same source, you should err on the side of being conservative and cite the source each time it is used.

In any of these cases, you should then include the complete citation of the source in the references/bibliography section at the end of the paper. Please follow the American Psychological Association citation format which can be found in almost any psychology journal or the APA Style Guide (in the library).