

PSYC423 / PSYC833
Selected Topics in Real-World Scene Perception
Fall Session, 2014
Syllabus

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Workload

Participation/Group Activities

Participation is always good in a seminar class! Participating and presenting go hand in hand, and speaking up in class will help you as well as your classmates (when they're presenting or you are). All criticisms/comments/questions are encouraged.

In addition, there will be some days in which you will be expected to participate in group

Research Proposal

On **Friday November 21st**, you will be required to submit a research paper (15 pages max) on a topic of current interest within the field of scene perception/scene processing. You need to choose your topic by **October 28th** and hand-in a **one paragraph summary** (1/2 page long max) describing your idea for the final paper. The final paper will include a review of past research relevant to your topic, and a proposal for future research (i.e., a new experiment). Late papers will be penalized 10% per day. More information will follow.

You will also be required to briefly present (2-5min) your proposal to the class on **November 25th/November 26th**

Course Schedule

Tuesday	9 Sep	Organizational meeting; Introduction to Scene Processing	
Thursday	11 Sep	Introduction to Scene Processing	<p>*Standing, L. et al (1970). Perception and memory for pictures: single trial learning of 2500 visual stimuli. <i>Psychological Science</i>, 19, 73-74.</p> <p>*Standing, L. (1973). Learning 10,000 pictures. <i>Quarterly Journal of Experimental Psychology</i>, 25, 207-222.</p> <p>(Optional) Henderson, J. M., & Hollingworth, A. (1999). High level scene perception. <i>Annual review of psychology</i>, 50(1), 243-271.</p> <p><i>*These readings are available on Moodle</i></p> <p>Reaction Paper#1 Due</p>
Tuesday	16 Sep	Scene Gist How fast do you know what it is that you're looking at?	<p>Oliva, A. (2005). Gist of the scene. <i>Neurobiology of Attention</i>, 696(64), 251-258.</p> <p>Intraub, H. & Richardson, M. (1989). Wide angle memories of close up scenes. <i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i>, 15, 179-187.</p> <p>Reaction Paper #2 Due</p>
Thursday	18 Sep	Presentations (Group)	

Tuesday	23 Sep	<p>Objects and Scenes: Does knowing what scene you're looking at make you faster at understanding an object?</p>	<p>Davenport, J. L., & Potter, M. C. (2004). Scene consistency in object and background perception. <i>Psychological Science</i>, 15(8), 559-564.</p> <p>Mullin, C.R. & Steeves, J.K.E. (2011). TMS to the lateral occipital cortex disrupts object processing but facilitates scene processing. <i>Journal of Cognitive Neuroscience</i> 23:12, 4174-4184.</p> <p>Reaction Paper #3 Due</p>
Thursday	25 Sep		<p>Presentations (Group 2)</p>
Tuesday	30 Sep	<p>Scene representations in Memory and updating those representations How much do you really see as you look around?</p>	<p>Simons, D. J., & Levin, D. T. (1997). Change blindness. <i>Trends in cognitive sciences</i>, 1(7), 261-267.</p> <p>Rensink, R. A., O'Regan, J. K., & Clark, J. J. (1997). To see or not to see: The need for attention to perceive changes in scenes. <i>Psychological science</i>, 8(5), 368-373.</p> <p>Konkle, T., Brady, T. F., Alvarez, G. A., & Oliva, A. (2010). Scene memory is more detailed than you think the role of categories in visual long term memory. <i>Psychological Science</i>, 21(11), 1551-1556.</p> <p>Reaction Paper #4 Due</p>
Thursday	2 Oct		<p>Presentations (Group 3)</p>

**Expertise and Scene
perception**

Tuesday 7 Oct

Epstein, R. A. (2008). Parahippocampal and retrosplenial contributions to human spatial navigation. Trends in

Tuesday 28 Oct **Navigation and Spatial Perception in Scenes**
How does movement around a scene affect how you represent the scene?

Tuesday	11 Nov	Marketing and Ads Ads often involve a combination of paying attention to words and to scenes – how do you keep it all straight? how saliency and motion may work against you, or does it?	Higgins E, Leinenger M and Rayner K (in press, 2014) Eye movements when viewing advertisements. <i>Front. Psychol.</i> 5:210.
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