



## *Syllabus*

# *A View to Psychological Science: Attention and Eye Movements - 51119*

*Last update 27-09-2023*

*HU Credits: 2*

*Responsible Department: Psychology*

*Academic year: 0*

*Semester: Yearly*

*Teaching Languages: Hebrew*

*Campus: Mt. Scopus*

*Course/Module Coordinator: Yoni Pertzov*

*Coordinator Email: [pertzov@gmail.com](mailto:pertzov@gmail.com)*

*Coordinator Office Hours: Schedule by email*

*Teaching Staff:*

*Prof Yoni Pertzov*

*Course/Module description:*

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xx

Course/Module aims:

xx

Learning outcomes - On successful completion of this module, students should be able to:

xx

Attendance requirements(%):

100

Teaching arrangement and method of instruction: xx

Course/Module Content:

1. 1. Branan, N. (2010). *Eye Movement May Be Key to Retrieve Unconscious Memories, Scientific American Mind*

Recommended papers for subgroups:

Smith Squire (2018) *Awareness of what is learned as a characteristic of hippocampus-dependent memory. PNAS*

Lancry-Dayana et al (2017) *Do You Know Him? Gaze Dynamics Toward Familiar Faces on a Concealed Information Test JARMC*

2. Fong, J. (2012) *Eye-Opener: Why Do Pupils Dilate in Response to Emotional States? Scientific American*

3. Popovich, N. (2013). *Eye-Tracking Software May Reveal Autism and other Brain Disorders. Scientific American*

4. DeWeerd, S. (2016). *Why Toddlers with Autism Avoid Eye Contact. Scientific American*

5. Martinez-Conde, S. (2015). *Blind Justice: Biasing Moral Choices With Eye Tracking. Scientific American*

6. PHOEBE WESTON (2018) *What do your eye movements say about you? Incredible AI can predict your personality just by studying the motion and size of your pupils. MailOnline Link: <http://www.dailymail.co.uk/sciencetech/article-5686817/An-incredible-mind-reading-AI-predict-personality-just-studying-eyes-move.html>*

7. Rodriguez, T. (2013). *Can Eye Movements Treat Trauma? Scientific American*

8. Nathan Caruana, Jon Brock (2017) *Virtual Reality May Reveal New Clues about Autism Social Difficulties. Scientific American*

More complicated manuscripts:

9. Ehrlichman, H., & Micic, D. (2012). *Why do people move their eyes when they think?. Current Directions in Psychological Science, 21(2), 96-100.*

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10. Cavanagh, P., Hunt, A. R., Afraz, A., & Rolfs, M. (2010). Visual stability based on remapping of attention pointers. *Trends Cogn Sci*, 14(4), 147-153.

Required Reading:

1.1. Branan, N. (2010). Eye Movement May Be Key to Retrieve Unconscious Memories, *Scientific American Mind*

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MailOnline Link: <http://www.dailymail.co.uk/sciencetech/article-5686817/An-incredible-mind-reading-AI-predict-personality-just-studying-eyes-move.html>

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Additional Reading Material:

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*Grading Scheme:*

*Essay / Project / Final Assignment / Home Exam / Referat 50 %*

*Active Participation / Team Assignment 10 %*

*Presentation / Poster Presentation / Lecture 40 %*

*Additional information:*

*XX*