האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

Psychophysiological Detection of Concealed Info. - 51858

Last update 01-08-2023

HU Credits: *2*

Degree/Cycle: *2nd degree (Master)*

Responsible Department: *Psychology*

Academic year: *0*

Semester: *1st Semester*

Teaching Languages: *Hebrew*

Campus: *Mt. Scopus*

Course/Module Coordinator: *Gershon Ben-Shakhar, Yoni Pertzov*

Coordinator Email: *mskpugb@mscc.huji.ac.il yoni.pertzov@mail.huji.ac.il*

Coordinator Office Hours: *Thursday 11-12*

Teaching Staff:
Prof Gershon Ben-Shakhar,
Prof Yoni Pertzov

Course/Module description:
A critical review of methods and measures for the detection of deception and concealed memories

Course/Module aims:
Knowledge and understanding of the methods via critical thinking

Learning outcomes - On successful completion of this module, students should be able to:
Understanding of the methods and their limitations

Attendance requirements(%):
At least 80%

Teaching arrangement and method of instruction: Frontal with power point presentations

Course/Module Content:
1) An Introduction to Psychophysiological and behavioral detection of deception (PDD); the basic methods
2) A general review of the measures used in the CIT
3) ERP and fMRI measures in the CIT
4) Meta-Analysis of physiological measures
5) Meta-Analysis of response-time measures
6) Theoretical approaches
7) External Validity of CIT research
8) Limitations of the CIT: Countermeasures and information leakage
9) Eye-tracking measures in the CIT
10) Conceptual and Methodological Considerations
11) Clinical applications of the CIT
12) Searching CIT and CIT Algorithms

Required Reading:

Verschuere et al. (2011). Memory Detection: Theory and Application of the Concealed Information Test. Cambridge University Press.

Additional Reading Material:

55. Klein Selle, N., Verschuere, B., Kindt, M., Meijer, E. & Ben-Shakhar, G. (2017). Unraveling the roles of orienting and inhibition in the Concealed Information Test. Psychophysiology, 54. 628-639.
The promise of eye-tracking in the detection of concealed memories
OC Lancry-Dayan, G Ben-Shakhar, Y Pertzov
Trends in Cognitive Sciences

Grading Scheme:

Essay / Project / Final Assignment / Home Exam / Referat 90 %
Attendance / Participation in Field Excursion 10 %

Additional information:

Active participation (10%) and final paper (90%)

Presentation will be uploaded to the course site.