

ADULT DEVELOPMENT: COGNITIVE AND AFFECTIVE PROCESSES

**2nd, 3rd, 4th and 5th Year – 2nd Semester
2007/2008**

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Aims:

1. To provide students with a broad perspective of the theories, models and empirical data related to adult development.
2. To acquire theoretical and practical knowledge that will lead to the adoption of an active and critical attitude towards research, including the ability to compare different approaches and models and to analyze their empirical backup, to formulate research questions and projects which advance scientific knowledge and to reflect on the limitations of the research being carried out.

Evaluation:

Evaluation will be based on:

1. Group work (maximum of 4 students), corresponding to an article describing the research carried out during the course of the subject (maximum of 6 pages) and subsequent presentation in poster format (50% of evaluation);
2. Presentation of a scientific article in the practical lessons (25% of evaluation);
3. Individual work, based on an answer (consultation permitted) to a program-related question (maximum of 300 words; 25% of evaluation).

Lesson Calendar and Program Content:

A. Perspectives on Adult Development

25-02-2008	Introduction to Adult Development <ul style="list-style-type: none">• Baltes, P.B., Staudinger, U.M., & Lindenberger, U. (1999). Lifespan Psychology: Theory and application to intellectual functioning. <i>Annual Review of Psychology</i>, 50, 471-507.• Craik, F. I. M. & Bialystock, E. (2006). Cognition through the lifespan: Mechanisms of change. <i>Trends in Cognitive Sciences</i>, 10, 132-138.
03-03-2008	Theories on Psychometrics, Neurology and Integration <ul style="list-style-type: none">• Salthouse, T. (1996). The processing-speed theory of adult age differences in cognition. <i>Psychological Review</i>, 103, 403-428.• Reuter-Lorenz, P. A. (2002). New visions of the aging mind and brain. <i>Trends in Cognitive Sciences</i>, 6, 394-400.• Li, S., Lindenberger, U., & Sikström, S. (2001). Aging cognition: From

neuromodulation to representation. *Trends in Cognitive Sciences*, 5, 479-486.

B. Basic Processes

10-03-2008

Perception

- Baltes, P.B. & Lindenberger, U. (1997). Emergence of a powerful connection between sensory and cognitive functions across the adults life pan: A new window for the study of cognitive aging? *Psychology and Aging*, 12, 12-21.
- Ratcliff, R., Thapar, A., & G. McKoon (2007). Application of the diffusion model to two-choice tasks for adults 75-90 years old. *Psychology and Aging*, 22, 56-66.

31-03-2008

Attention and Inhibition

- Burke, D. M. (1997). Language, aging, and inhibitory deficits: Evaluation of a theory. *Journal of Gerontology: Psychological Sciences*, 52B, 254-264.
- McDowd, J. M. (1997). Inhibition in attention and aging. *Journal of Gerontology: Psychological Sciences*, 52B, 265-273.
- Zacks, R., & Hasher, L. (1997). Cognitive gerontology and attentional inhibition: A reply to Burker and McDowd. *Journal of Gerontology: Psychological Sciences*, 52B, 274-283.

07-04-2008

Memory: Formal Models and Empirical Data

- Spaniol, J. & Bayen, U. J. (2004). Formal modeling in research on episodic memory and aging. *Psychology Science*, 46, 477-513.
- Park, D. C., Smith, A. D., & Lautenschlager, G., Earles, J., Frieske, D., Zwahr, M., & Gaines, C. (1996). Mediators of long-term memory performance across the life span. *Psychology and Aging*, 11, 621-637.

14-04-2008

Memory: False Memories

- Jacoby, L. L. & Rhodes, M. G. (2006). False remembering in the aged. *Current Directions in Psychological Science*, 15, 49-53.

21-04-2008

Memory: Directed Forgetting

- Zacks, R. T., Radvansky, G., & Hasher, L. (1996). Studies of directed forgetting in older adults. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 22, 143-156.

28-04-2008

Affection

- Carstensen, L.L., Pasupathi, M., Mayr, U. & Nesselroade, J. (2000). Emotional experience in everyday life across the adult life span. *Journal of Personality and Social Psychology*, 79, 644-655.
- Mather, M. & Carstensen, L.L. (2007). Aging and motivated cognition: The

positivity effect in attention and memory. *Trends in Cognitive Sciences*, 9, 496-502.

C. Complex Cognition

- 05-05-2008 Judgment
- Chasseigne, G., Ligneau, C., Grau, S., Le Gall, A., Roque M., & Mullet, E. (2004). Aging and probabilistic learning in single- and multiple-cue tasks. *Experimental Aging Research*, 3, 23–45.
 - Spaniol, J. & Bayen U. J. (2005). Aging and conditional probability judgments: A global matching approach. *Psychology and Aging*, 20, 165–181.
- 12-05-2008 Social Cognition
- von Hippel, W. (2007). Aging, executive functioning, and social control. *Current Directions in Psychological Science*, 16, 240-244.
- 19-05-2008 Decision-Making: Value and Risk
- Sanfey, A.G. & Hastie, R. (2000). Judgment and decision making across the adult life span: A tutorial review of psychological research. In D. Park and N. Schwarz (Eds.) *Aging and Cognition: A Primer*. Philadelphia, PA: Psychology Press.
- 26-05-2008 Decision-Making: Decision Strategies
- Mata, R., Schooler, L., & Rieskamp, J. (2007). The aging decision maker: Cognitive aging and the adaptive selection of decision strategies. *Psychology and Aging*.
- 02-06-2008 Problem Solving
- Blanchard-Fields, F. (2007). Everyday problem solving and emotion: An adult developmental perspective. *Current Directions in Psychological Science*, 16, 26-31.

D. Cognitive Training

- 09-06-2008 Cognitive Training
- Kramer, A. F. & Willis, S. L. (2002). Enhancing the cognitive vitality of older adults. *Current Directions in Psychological Science*, 11, 173-177.

E. Conclusion

- 16-06-2008 Presentation of research work