

CURRICULUM VITAE
MARILYN HARTMAN, Ph.D.
Licensed Psychologist

Psychology Department Telephone: (919) 962-3987
Davie Hall - CB# 3270 Fax: (919) 962-2537
University of North Carolina Email: hartman@email.unc.edu
Chapel Hill, NC 27599

EMPLOYMENT

Associate Professor of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC (1995 - present)
Assistant Professor of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC (1988 - 1995)
Neuropsychology Consultant, John Umstead Hospital, Butner, NC (1989-1990).
Post-doctoral Fellow, Center for the Study of Aging and Human Development, Duke University Medical Center, Durham, NC (1987-1988)

EDUCATION

University of Minnesota, Minneapolis, MN
Ph.D. in Clinical Psychology (1987)
University of Minnesota Psychology Internship Consortium, Minneapolis, MN
APA-approved clinical psychology internship (1984-1985)
Johns Hopkins University, Baltimore, MD
Bachelor of Arts in Psychology (1980)
Graduated with General Honors and Departmental Honors

SCHOLARSHIPS AND ACADEMIC HONORS

Lilly Teaching Fellowship (1991 –1992)
University of Minnesota Graduate School Doctoral dissertation fellowship (1985-1986).
Graduate School Bush Fellowship (1980-1981)
Member, Phi Beta Kappa Honor Society (1979-present)

RECENT RESEARCH GRANTS

Principal Investigator. "Age differences in attention: Consequences for memory." National Institute on Aging (FIRST Award R29 AG10593-01). 7/1/1992-6/30/1998.
Principal Investigator. "Adult age differences in working memory." University Research Council Grant, University of North Carolina. 5/1/1998 - 4/30/2000.
Principal Investigator. "Age Differences on tests of frontal lobe function." National Institute on Aging (R01 AG15800). 9/30/1999 – 6/30/2005.
Investigator (Principal Investigator: Barbara Waag, School of Nursing). "Respiratory periodicity and cognitive decline in elders." 4/1/2002 – 3/31/2007. National Institute of Health, National Institute of Nursing Research (NR03962).
Principal Investigator. "Effectiveness of a Community-Based Volunteer Caregiving Program." University Research Council Grant, University of North Carolina. 12/1/2002 – 12/1/2004.

Principal Investigator. "Volunteers as Caregivers at the End of Life: Predictors of Satisfaction." Duke Institute on Care at the End of Life. 7/1/2003 – 6/30/2005.

Principal Investigator. "Working Memory: Consolidation Speed, Capacity, and Perception." University Research Council Grant, University of North Carolina. 5/1/2004 - 4/30/2006.

RECENT PRESENTATIONS (* indicates student author)

Hartman, M., *Sweeny, S.F., & *Giffen, D. (November, 1995). Associative memory: Effects of prior knowledge and aging on direct and indirect tests. Paper presented at the Meeting of the Psychonomic Society, Los Angeles, CA.

Hartman, M., *Bolton, E., & *Sweeny, S. F. (February, 1996). Working memory, aging, and the Wisconsin Card Sorting Test. Paper presented at the Meeting of the International Neuropsychological Society, Chicago, IL.

Hartman, M., *Bolton, E., & *Sweeny, S. F. (April, 1996). Working memory, the frontal lobes, and aging: Evidence from the Wisconsin Card Sorting Test. Paper presented at the Meeting of the Cognitive Aging Conference, Atlanta, GA.

Hartman, M., & *Potter, G. (February, 1997). The role of organization and planning in age differences on the Rey-Osterrieth Complex Figure Test: Evidence for prefrontal deficits. Paper presented at the Meeting of the International Neuropsychological Society, Orlando, FL.

*Potter, G., & **Hartman, M.** (February, 1997). Contributions of episodic memory and strategy use to age differences in self-ordering. Paper presented at the Meeting of the International Neuropsychological Society, Orlando, FL.

*Bolton, E., & **Hartman, M.** (March, 1997). Exploring age differences on the Wisconsin Card Sorting Test. Paper presented at the Meeting of the Cognitive Neuroscience Society, Boston, MA.

Hartman, M., & *Evans, D. (November, 1997). The role of flexibility in implicit memory. Paper presented at the Meeting of the Psychonomic Society, Philadelphia, PA.

*Dumas, J., & **Hartman, M.** (April, 1998). Age differences in frontal lobe function: Evidence from the Delayed-Matching-To-Sample Task. Paper presented at the Meeting of the Cognitive Aging Conference, Atlanta, GA.

*Dumas, J., *Nielsen, C., & **Hartman, M.** (November, 1998). Age differences on a delayed response task: Testing the frontal lobe hypothesis. Paper presented at the Meeting of the Psychonomic Society, Dallas, TX.

*Dumas, J., & **Hartman, M.** (November, 1999). Age differences in the speed of working memory. Paper presented at the Meeting of the Psychonomic Society, Los Angeles, CA.

Hartman, M., Steketee, M., Silva, S., *Lanning, K., & Andersson, C. (February, 2000). Schizophrenia, working memory, and the Wisconsin Card Sorting Test. Paper presented at the Meeting of the International Neuropsychological Society, Denver, CO.

Hartman, M., Steketee, M., Silva, S. & *Lanning, K. (February, 2000). Working memory and schizophrenia. Paper presented at the Meeting of the International Neuropsychological Society, Denver, CO.

*Nielsen, C., & **Hartman, M.** (February, 2000). Using the California Card Sorting Test to assess executive functioning in older adults. Paper presented at the Meeting of the International Neuropsychological Society, Denver, CO.

*Dumas, J., & **Hartman, M.** (April, 2000). The relationship between age differences in temporal and item memory. Paper presented at the Meeting of the Cognitive Aging Conference, Atlanta, GA.

- Hartman, M., *Potter, G., & *Coughenour, T. L.** (April, 2000). Age differences on the Self-Ordered Pointing Test: Effects of working memory and episodic memory. Paper presented at the Meeting of the Cognitive Aging Conference, Atlanta, GA.
- Carlson, B. W., Neelon, V., Carlson, J., Dogra S., **Hartman, M., & Nielsen, C.** (June, 2000). Cerebral oxygenation during sleep in older adults: A pilot study. Paper presented at the 14th Annual Meeting of American Academy of Sleep Medicine and the Sleep Research Society, Las Vegas NV.
- *Potter, G., & **Hartman, M.** (February, 2001). Non-neuropsychological predictors of memory complaints among older adults. Paper presented at the the Meeting of the International Neuropsychological Society, Chicago, IL.
- *Potter, G., & **Hartman, M.** (February, 2001). Neuropsychological versus affective predictors of memory complaints. Paper presented at the the Meeting of the International Neuropsychological Society, Chicago, IL.
- Carlson, B. W. Neelon, V., Carlson, J. R., Dogra, S., **Hartman, M., & Nielsen, C. A.** (June, 2001). Cerebral oxygenation response to arousal during sleep in old and young adults. paper presented at the 15th Annual Meeting of the American Academy of Sleep Medicine, Chicago, IL.
- *Dumas, J., & **Hartman, M.** (November, 2001). Age differences in temporal and item memory. Paper presented at the meeting of the Psychonomic Society, Orlando.
- Carlson, B. W., Neelon, V., Dogra, S., **Hartman, M., & Carlson, J.** (November, 2001). Cerebral oxygen reserves in old and young adults during sleep. Paper presented at the Meeting of the Gerontological Society of America, Chicago IL.
- *Wiesenthal, N. L., *Martin, J. H., & **Hartman, M.** (April, 2002). Age differences on the Self-Ordered Pointing Task: Identifying the locus of age differences in working memory. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- *McCabe, J., & **Hartman, M.** (April, 2002). Examining the locus of age effects on complex span tasks. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- *Warren, L. H., & **Hartman, M.** (April, 2002). Age differences on working memory tasks for temporal order and item memory. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- *Schrodt, L., Giuliani, C., & **Hartman, M.** (October, 2002). Function and disability in older adults in public housing. Paper presented at the American Geriatrics Society Annual Meeting, Washington, DC.
- Brooks, J., & **Hartman, M.** (October, 2002). Providing caregiving support through Care Teams: A community initiative of Project Compassion. Workshop presented at the North Carolina Conference on Aging, Greensboro, NC.
- *Dumas, J., & **Hartman, M.** (November, 2002). The effects of irrelevant information on age differences in working memory. Paper presented at the meeting of the Psychonomic Society, Kansas City, MO.
- Hartman, M., & *Warren, L.** (February, 2003). Age differences in temporal memory. Paper presented at the North Carolina Cognitive Group Conference, Durham, NC.
- Brooks, J., & **Hartman, M.** (September, 2003). Community-based caregiving during serious illness, end of life, and grief. Workshop presented at the North Carolina Conference on Aging, Charlotte, NC.
- Hartman, M., & *McCabe, J.** (November, 2003). Age differences in perceptual speed: Contributions of sensory ability and working memory. Paper presented at the meeting of the Psychonomic Society, Vancouver, BC, Canada.

Nielsen, C., Carlson, B. W., Neelon, V. J., Carlson, J., **Hartman**, M., Farmer, T.L., & Abraham, K. (November, 2003). Sleep disturbance, memory decline, and memory performance in adults age 70 years and older. Paper presented at the meeting of the Geriatrics Society of America, San Diego, CA.

Hartman, M., Carlson, B. W., Carlson, J., Nielsen, C., & Neelon, V. J. (February, 2004). The relationship of self-reported sleep characteristics, neuropsychological functioning, and depression in older adults. Paper presented at the meeting of the International Neuropsychological Society, Baltimore, MD.

*Schrodt, L., Giuliani C., **Hartman**, M., & Busby-Whitehead, J. (February, 2004). Relationship of the Symbol Digit Modalities Test and Trail-Making Test to physical function in older adults. Paper presented at the Combined Sections Meeting of the American Physical Therapy Association, Nashville, TN.

*McCabe, J., & **Hartman**, M. (April, 2004). Understanding the power of 'speed' measures to predict age differences in higher-level cognition: Contributions of reduced perception and working memory. Paper presented at the Cognitive Aging Conference, Atlanta, GA.

Hartman, M., *McCabe, J., *Dumas, J., & *Stratton, B. (April, 2004). Age differences in working memory updating for repeated versus unique stimuli. Paper presented at the Cognitive Aging Conference, Atlanta, GA.

*Warren, L., & **Hartman**, M. (April, 2004). Age differences in temporal memory. Paper presented at the Cognitive Aging Conference, Atlanta, GA.

Carlson, B. W., Carlson, J., Otto, M. P., Neelon, V. J., Harrington, J., **Hartman**, M., Dogra, S., Abraham, K., & DeWitt, A. (June, 2004). Changes in self-reported sleep quality and patterns over six months in older adults. Paper presented at the Annual Meeting of the Associated Professional Sleep Society, Philadelphia, PA.

*McCabe, J., & **Hartman**, M. (November, 2004). Age differences in working memory for temporal order information. Paper presented at the meeting of the Psychonomic Society, Minneapolis, MN.

*Vaughan, L., *Basak, C., Verhaeghen, P., & **Hartman**, M. (November, 2004). The costs of switching items stored in working memory in and out of the focus of attention: The role of sequence encoding. Paper presented at the meeting of the Psychonomic Society, Minneapolis, MN.

*Schrodt, L. A., Guiliani, C. A., Freburger, J. K., **Hartman**, M., Mercer, V. S., & Busby-Whitehead, J. (November, 2004). Direct and indirect effects of attention and processing speed on disability in older adults. Paper presented at the meeting of the Gerontological Society of America, Washington, DC.

*Stratton, B., & **Hartman**, M. (February, 2005). Age differences in concept formation. Paper presented at the meeting of the International Neuropsychological Society Meeting, St. Louis, MO.

* Coffey, K. A., & Hartman, M. (April, 2005). Mechanisms of action in the inverse relationship between mindfulness and depressive symptomatology. Paper presentd at the meeting of the Society for Behavioral Medicine, Boston, MA.

SELECTED PUBLICATIONS (* indicates student author)

Hartman, M., Knopman, D., & Nissen, M. J. (1989). Implicit learning of new verbal associations. Journal of Experimental Psychology: Learning, Memory, and Cognition, *15*, 1070-1082

Nissen, M. J., Willingham, D., & **Hartman**, M. (1989). Explicit and implicit remembering: When is learning preserved in amnesia? Neuropsychologia, *27*, 341-352.

- Hartman, M.** (1991). The use of semantic knowledge in Alzheimer's disease: Evidence for impairments of attention. Neuropsychologia, 29, 213-228.
- Hartman, M., & Hasher, L.** (1991). Aging and suppression: Memory for previously relevant information. Psychology and Aging, 6, 587-594.
- Hartman, M., & *Dusek, J.** (1994). Direct and indirect memory tests: What they reveal about age differences in interference. Aging and Cognition, 1, 292-309.
- Hartman, M.** (1995). Aging and interference: Evidence from indirect memory tests. Psychology and Aging, 10, 659-669.
- *Mulligan, N. W., & **Hartman, M.** (1996). Divided attention and implicit memory tests. Memory and Cognition, 24, 453-465.
- *Clark, L., & **Hartman, M.** (1996). Effects of hardiness and appraisal on the well-being of caregivers to elderly relatives. Research on Aging, 18, 379-401.
- Hartman, M., & *Potter, G.** (1998). Sources of age differences on the Rey-Osterrieth Complex Figure Test. The Clinical Neuropsychologist, 12, 513-524.
- Hartman, M., *Dumas, J., & *Nielsen, C.** (2001). Age differences in updating working memory: Evidence from the Delayed-Matching-to-Sample Test. Aging, Neuropsychology, and Cognition, 8, 14-35.
- Hartman, M., *Bolton, E., & *Fehnel, S. F.** (2001). Accounting for age differences on the Wisconsin Card Sorting Test: Decreased working memory, not inflexibility. Psychology and Aging, 16, 385-399.
- Hartman, M., Steketee, M. C., Silva, S., Lanning, K., & McCann, H.** (2002). Working Memory and schizophrenia: Evidence for slowed encoding. Schizophrenia Research, 59, 99-113.
- Hartman, M., Steketee, M., Silva, S., Lanning, K., & Andersson, C.** (2003). Wisconsin Card Sorting Test performance in schizophrenia: The role of working memory. Schizophrenia Research, 63, 201-217.
- *McCabe, J., & **Hartman, M.** (2003). Examining the locus of age effects on complex span tasks. Psychology and Aging, 18, 562-572.
- *Dumas, J., & **Hartman, M.** (2003). Adult age differences in temporal and item memory. Psychology and Aging, 18, 573-586.
- Hartman, M., *Nielsen, C., & *Stratton, B.** (2004). The contributions of attention and working memory to age differences in concept identification. Journal of Clinical and Experimental Neuropsychology, 26, 227-245.
- *Schrodt, L. A., Mercer, V. S., Giuliani, C. A., & **Hartman, M.** (2004). Characteristics of stepping over an obstacle in community dwelling older adults under dual-task conditions. Gait Posture, 19, 279-87.
- *Potter, G., & **Hartman, M.** (2005). Executive control and memory complaints in older adult women. Manuscript under review.
- Hartman, M., & *Warren, L. H.** (2005). Explaining age differences in temporal memory. Manuscript under review.
- *Dumas, J. A., & **Hartman, M.** (2005). Inhibition and encoding processes in working memory and aging. Manuscript under review.