

Course Title: Alzheimer's Disease and Dementia: An In-depth Introduction

Course Code: BIO 98

Instructor: Victor Henderson, MD, MS; with faculty from the Stanford Alzheimer's Disease Research Center

Location and Time: Herrin Hall (Room T175), Monday 7:00 to 8:50 PM, first class January 22

Course Summary:

Please see course page for full description and additional details. Please note that a medical or science background is neither required nor expected. Course readings and handouts will be posted in Canvas.

Grade Options and Requirements:

- No Grade Requested (NGR)
 - This is the default option. Attendance and classroom participation (or at least polite attention) is requested; no outside work will be required; no credit shall be received; no proof of attendance can be provided.
- Credit/No Credit (CR/NC)
 - A student must attend 6 of the 8 class sessions and prepare a short, coherent review (about 1200-2000 words) on a relevant topic agreed upon by the student and instructor. A preliminary topic proposal is due at the time of the second class (a sentence or two; January 29), and the final short paper is due on the last day of class (March 19).
- Letter Grade (A, B, C, D, No Pass)
 - Same requirements as for CR/NC (see above)

**Please Note: If you require proof that you completed a Continuing Studies course for any reason (for example, employer reimbursement), you must choose either the Letter Grade or Credit/No Credit option. Courses taken for NGR will not appear on official transcripts or grade reports.*

Weekly Outline:

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| • Week 1 | ◦ Dementia and Alzheimer's disease | Dr. V. Henderson |
| • Week 2 | ◦ Cognitive aging and mild cognitive impairment (MCI) | Dr. V. Henderson |
| | ◦ Parkinson's disease dementia and dementia with Lewy bodies | Dr. K. Poston |
| • Week 3 | ◦ Frontotemporal dementia (FTD) | Dr. S. Sha |
| | ◦ Vascular dementia | Dr. M. Lansberg |
| | ◦ Chronic traumatic encephalopathy (CTE) | Dr. E. Plowey |
| • Week 4 | ◦ Neuropsychology of aging and dementia | Dr. M. Yutsis |
| | ◦ Microscopic changes of dementia (neuropathology) | Dr. H. Vogel |
| • Week 5 | ◦ Is this dementia? What does the doctor do? | Dr. V. Henderson |
| • Week 6 | ◦ Brain imaging in dementia | Dr. E. Mormino |
| | ◦ Genetics of Alzheimer's disease | Dr. M. Greicius |
| • Week 7 | ◦ Alzheimer's disease treatment: Approved therapies | Dr. V. Henderson |
| | ◦ Alzheimer's disease treatment: New drug development | Dr. G. Kerchner |
| • Week 8 | ◦ Caregiving in dementia | Ms. J. Clark |
| | ◦ Alzheimer's disease prevention | Dr. V. Henderson |

Course director

Victor Henderson, MD, MS. Professor of Health Research & Policy (Epidemiology) and of Neurology & Neurological Sciences. Director, Stanford Alzheimer's Disease Research Center.

Course faculty

Jennie Clark, MA. Program Manager, Memory Support Program, Aging Adult Services, Stanford Health Care.

Michael Greicius, MD, MPH. Associate Professor of Neurology & Neurological Sciences.

Geoffrey Kerchner, MD, PhD. Senior Medical Director, Genentech. Consulting Associate Professor of Neurology & Neurological Sciences.

Maarten Lansberg, MD, PhD. Associate Professor of Neurology & Neurological Sciences.

Elizabeth Mormino, PhD. Assistant Professor (Research) of Neurology & Neurological Sciences.

Kathleen Poston, MD, MS. Associate Professor of Neurology & Neurological Sciences.

Edward Plowey, MD, PhD. Assistant Professor of Pathology.

Sharon Sha, MD, MS. Clinical Associate Professor of Neurology & Neurological Sciences.

Hannes Vogel, MD. Professor of Pathology and Pediatrics.

Maya Yutsis, PhD. Clinical Assistant Professor (Affiliated) of Neurology & Neurological Sciences.