Osher Online™

A program of the Osher National Resource Center
at Northwestern University School of Professional Studies

WINTER2027

Uncertain by Nature: Quantum Mechanics and Nuclear Chemistry

What does it mean for a particle to be in two places at once and why should a chemist care? We will explore quantum mechanics and nuclear chemistry. We will examine wave-particle duality, wavefunctions, Heisenberg's uncertainty principle, and Schrödinger's famous cat. We will explore fission, fusion, radioactive decay, carbon dating, and the long shadow of the Manhattan Project. From Hiroshima to Chernobyl to today's energy debates, nuclear science has never been just science.



Click here to view course promo video

YOUR INSTRUCTOR: John Hendrickson



John Hendrickson, PhD is a teaching professor in the School of Molecular Sciences at Arizona State University. He holds a PhD in chemistry and is the author of the textbook *Chemistry in the World*. His academic work focuses on science communication, the reciprocal relationship between science and society.

THURSDAYS, JANUARY 28 THROUGH MARCH 4

12pmPT | 1pmMT | 2pmCT | 3pmET

Each live session is 90 minutes

- Thursday, January 28
- Thursday, February 4
- Thursday, February 11
- Thursday, February 18
- Thursday, February 25
- Thursday, March 4

To register, please contact your local Osher Institute.