

Randy Weinstein, PhD

Vice Provost for Teaching and Learning; Professor of Chemical and Biological Engineering at Villanova University

Villanova , PA, US

Randy Weinstein, PhD, is an authority on chemical engineering and an expert on teaching and learning methods in higher ed.

Biography

Dr. Weinstein is adept at translating complex concepts in chemical engineering into layman's language in a lively and engaging manner. He can speak about the application to daily life of current research in areas such as developing better cooling systems for electronic devices; developing environmentally-friendly replacement solvents for chemical processing; exploring surfaces of materials for cleaning, adhesion, waterproofing and corrosion prevention; and devising more efficient pharmaceutical delivery devices. Dr. Weinstein is a leader in utilizing innovative teaching methods, having incorporated the flipped classroom model into his classes in the College of Engineering. In 2016, he was named the University's Associate Vice Provost for Teaching and Learning.

Areas of Expertise

Supercritical Fluids/Nanomaterials, Thermodynamics, Surface Science, Chemical Engineering Problems, Flipped Learning, Teaching and Learning in Higher Education , Teaching and Learning Methods

Affiliations

Member of the Engineering Curriculum Development and Assessment Committee, College Board's Advanced Placement Program ® (AP ®)

Education

Massachusetts Institute of Technology
PhD Chemical Engineering

University of Virginia
BS Chemical Engineerin

Select Accomplishments

Corcoran Award

Awarded by the American Society of Engineering Education for the most outstanding article published in Chemical Engineering Education, 2016

Lindback Award

Awarded for Teaching Excellence at Villanova University, 2010

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