

BOW Teaching and Learning Workshop: Universal Design for Learning January 8, 2020, Babson College

Keynote Address: Finding the Emotional Core of Your Teaching

Dr. Elizabeth Hartmann

Universal Design for Learning (UDL) has been growing in prominence throughout higher education as a way to address true learner variability, improve engagement, and outcomes. The UDL framework is not static. Rather, it is growing and changing as faculty apply it to particular learning contexts and populations. In this session, we will focus on what UDL is and how it is implemented to improve the quality of instruction in postsecondary and professional development contexts. Whether you are new to UDL or a seasoned UDL innovator, you will learn something new and maybe even something unexpected about the UDL framework.

About Our Keynote Speaker:



Elizabeth S. Hartmann is an Associate Professor of Education at Lasell University and a Co-lecturer of T560: Universal Design for Learning at Harvard's Graduate School of Education. Dr. Hartmann uses the UDL framework to integrate Lasell's Education Programs in general and special education. In her research she examines teacher implementation of UDL and how UDL is enacted to teach learners with multiple disabilities. She is a teacher of students with visual impairment and deafblindness and currently co-editing a book for the American Printing House for the Blind on the early intervention of infants and toddlers with Cerebral Visual Impairment.

Lightning Talks

A Professional Community's Teaching Guide

Rick Cleary, Babson College

Three UDL Myths in Three Minutes

Rebecca Darling and Sarah Pociask, Wellesley College

Designing the Classroom of the Future

Eric Palson and Dave Foscaldo, Babson College

Co-Designing a New Machine Learning Course

Samantha Michalka, Olin College

Embodied Learning: Experiential Engagement Through Role-play

Benjamin Linder, Olin College

Concurrent Sessions (1:00 PM – 1:50 PM and 2:00 PM – 2:50 PM)

Application of UDL Guidelines: Focus on Providing Multiple Means of Action and Expression

Dr. Alisha Sarang-Sieminski and Adva Waranyuwat, Olin College

Olin Hall Room 101

In this session, we will draw upon the foundation laid in the morning session to focus on applying universal design for learning (UDL) guidelines to participants' own work. In particular, we will focus on the area of providing multiple means of action and expression. We will illustrate the activity with a case study and subsequently invite participants to think about aspects of providing multiple means of action and expression through the lens of an existing or planned course or assignment. Participants will reflect upon how these courses or assignments already support students from a UDL perspective and to identify areas of opportunity to deepen inclusion. Our goal is for participants to leave with a deeper understanding of how to apply UDL in their work and actionable plans for applying it.

Accessible Technology: Creating and Using Digital Content

Alexandra Shadid, Babson College

Olin Hall Room 120

Digital tools are altering what is possible for everyone, including struggling learners. In this session, we will begin by reviewing the foundational ideas behind using and creating accessible content. You will receive guides on how to evaluate and improve your current course materials along with best practices for creating accessible content. We will then dive into how your course can address the three UDL principles through various technologies. We will examine specific tools and discuss how to integrate them into your course.

Learning Objectives

By the end of the session, you will be able to:

- Describe how the UDL principles can be addressed through various technologies
- Select and create accessible course materials
- Integrate some assistive technologies in your course
- Utilize technology to help sustain engagement and promote an equitable online learning environment

Engaging with the Science of Learning and the UDL Framework: Connections and Applications

Sarah Pociask, Wellesley College

Olin Hall Room 201

In this interactive session participants will engage with research on how we learn. We will discuss how research on learning, memory, and cognition supports and informs the UDL framework, and how to apply the learning from this session to the college classroom.

UDL Design Studio

Dr. Elizabeth Hartmann and Rebecca Darling, Wellesley College

Olin Hall Design Studio Room 125

Want to get started designing a lesson, an activity, or a course using UDL principles? The Learning Design Studio is a playground where you can do just that. Engage with people and tools to set goals, reflect on progress, and seek feedback on your designs. This is a drop-in session. **Feel free to stay as little or as long as you want. 20 minutes is enough to get you meaningfully started on course design.**

Presenters

[Rebecca Darling \(rdarling@wellesley.edu\)](mailto:rdarling@wellesley.edu)

Rebecca has worked with the Library and Technology groups at Wellesley College since 1999. In March 2011, she became the Assistant Director of Instructional Technology at Wellesley College. While she is officially the subject specialist for the languages and humanities, Rebecca teaches classes, plans assignments, and offers student support across all disciplines. Her professional interests currently include Universal Design for Learning, promoting technology based on pedagogical choices, and inclusive teaching practices.

[Rick Cleary \(rclarey@babson.edu\)](mailto:rclarey@babson.edu)

Rick Cleary is the Robert and Jan Weissman Professor of Business Analytics in the Division of Mathematics and Science at Babson College, where he just completed a six-year term as division chair. He has previously taught at Cornell University (where he earned his PhD), Bentley University, Harvard University and Saint Michael's College in Vermont. He enjoys working on applied problems in mathematics and statistics and has recent jointly authored papers with colleagues on diverse topics including failure times for hip replacements, fraud detection in accounting, assessment of creativity in marketing, and various questions in modeling sports outcomes.

[Dave Foscaldo \(foscaldod@babson.edu\)](mailto:foscaldod@babson.edu)

David currently holds the position as the Director of Media and Production Services at Babson College where he leads a team of audio-visual technicians and video production team. His responsibilities include support and maintenance of existing classroom technologies, planning and implementation of new media equipped spaces on our Wellesley campus and our remote hub locations. Additionally, the team is tasked with the development of high-quality video assets to be used to support the curriculum at Babson College. David holds a BA in Management from Assumption College in MA. He is also a graduate of Babson College where he earned an MBA in the Fall of 2009.

[Samantha Michalka \(Samantha.Michalka@olin.edu\)](mailto:Samantha.Michalka@olin.edu)

Dr. Sam Michalka is an Assistant Professor of Computational Neuroscience and Engineering at Olin College. Sam conducts research in brain-machine interfaces and teaches courses in neurotechnology, quantitative engineering, and data analysis.

[Benjamin Linder \(benjamin.linder@olin.edu\)](mailto:benjamin.linder@olin.edu)

Ben is a design educator, creator, and investigator at Olin focused on participatory design, sustainable design, and design for social impact. He works to develop an ecologically and socially just design practice by investigating the roles people, products, and firms can play in the realization of flourishing communities. He is currently collaborating to foster biomimicry in New England colleges and universities and to develop approaches to embodied learning in the classroom. He is a co-principle investigator for the Sketch Model initiative, funded by the Mellon Foundation, a co-founder and the director of the Affordable Design and Entrepreneurship Program (ADE), a co-lead organizer of the International Development Design Summit (IDDS), a co-founder and co-lead organizer of the International Development Innovation Network (IDIN), and a co-founder and former director of the Three-College Collaboration Sustainability Certificate Program.

[Eric Palson \(epalson@babson.edu\)](mailto:epalson@babson.edu)

Eric currently holds the position as the Director of Academic Technologies at Babson College where he leads a team of instructional designers, instructional technologists, and graphic designers. His responsibilities for the group include strategic thinking and planning around curriculum and faculty research, creating content for

blended and online learning, training faculty, coaching, and implementing innovative academic technologies. In addition to his work as Director of Academic Technologies, Eric is an adjunct instructor at Babson College, where he teaches web and user interface design. Before joining Babson College, he worked for a number of consulting and design firms, including Nextera Enterprises. Eric also co-founded the design firm Drive Thru Designs. Eric holds a BA in advertising and graphic design from Loyola University in Maryland. He is also a graduate of Babson College where he earned an MBA in the Spring of 2009. His postgraduate studies also include media theory at Emerson College.

[Sarah Pociask \(spociask@wellesley.edu\)](mailto:spociask@wellesley.edu)

Sarah Pociask is a Teaching and Learning Assessment Specialist at Wellesley College where she collaborates with instructors on the design, implementation, and assessment of evidence-based teaching approaches. Sarah received her PhD in Cognitive Science from Stony Brook University and worked as a postdoctoral fellow at the University of Massachusetts Amherst.

[Dr. Alisha Sarang-Sieminski \(Alisha.Sarang-Sieminski@olin.edu\)](mailto:Alisha.Sarang-Sieminski@olin.edu)

Dr. Alisha Sarang-Sieminski is an Associate Dean and an Associate Professor of Bioengineering at Olin College. They have a BS in chemical engineering from MIT, a PhD in bioengineering from University of Pennsylvania, and did their postdoctoral work in the Biological Engineering Division at MIT. Dr. Sarang-Sieminski is passionate about undergraduate education and using design to make a difference in people's lives. Their work focuses on inclusion and equity through design and understanding and addressing structural barriers to inclusion.

[Alexandra Shadid \(ashadid@babson.edu\)](mailto:ashadid@babson.edu)

Alex Shadid is an Instructional Designer for the Academic Technology Innovation Center at Babson College. She collaborates with faculty and staff to design eLearning and blended solutions for Babson's programs. She is passionate about innovative education and creating accessible online learning environments for learners. She is particularly interested in using instructional design to acknowledge and empower the diverse priorities among the widest range of learners.

[Adva Waranyuwat \(adva.waranyuwat@olin.edu\)](mailto:adva.waranyuwat@olin.edu)

Adva Waranyuwat is the Assistant Dean of Student Affairs at Olin College. Her work includes professional academic advising and coordination of disability services. UDL lives in the important intersection between students' academic development and accessibility for all students. She has a B.S. in Psychology and History from the University of Illinois, Urbana-Champaign and an M.Ed. from Harvard Graduate School of Education in Human Development and Psychology.

Conference Planning Committee

[Daryl Bullis](#), Lead Instructional Services Librarian, Babson College

[Dr. Rick Cleary](#), Robert and Jan Weissman Professor of Business Analytics, Babson College

[Rebecca Darling](#), Assistant Director of Instructional Technology, Wellesley College

[Jamie Engle](#), BOW Program Coordinator

[Dr. Benjamin Linder](#), Professor of Design and Mechanical Engineering, Olin College

[Alexandra Shadid](#), Instructional Designer for the Academic Technology Innovation Center, Babson College

[Dr. Franklyn "Lyn" Turbak](#), Associate Professor of Computer Science, Wellesley College

[Adva Waranyuwat](#), Assistant Dean of Student Affairs, Olin College