

# Fundamentals of Effective Teaching

November 14, 2014

**Description:** This workshop will focus on the fundamentals of effective teaching and is geared towards new faculty members. It will feature active seminars on how students learn and the characteristics of the effective teacher. The seminars are grounded on Richard Felder's theory of learning styles and Joseph Lowman's model of effective teaching. The workshop will conclude with an overview of proven strategies, techniques, and resources that participants can use to increase their classroom effectiveness.

## Workshop Presenters:

**Dr. Grant Crawford, Ph.D., P.E.**

**Professor of Mechanical Engineering, Department of Engineering, Quinnipiac University, Hamden, CT**



Dr. Grant Crawford is a Professor of Mechanical Engineering in the Department of Engineering at Quinnipiac University in Hamden, Connecticut. Dr. Crawford assumed his current position on 11 August 2014. He has taught courses in Thermodynamics, Fluid Mechanics, Thermal-Fluid Systems, Heat Transfer, Fixed-Wing Aerodynamics, Helicopter Aeronautics, Computer-Aided Design, Mechanical Engineering Design, and Aerospace Systems Design. He has also advised students in the Capstone Design course. Dr. Crawford graduated from West Point with a Bachelor of Science degree in Mechanical Engineering in 1985. He earned his Master of Science degree in Aerospace Engineering from the Georgia Institute of Technology in 1994 and his Doctor of Philosophy degree in Aerospace Engineering from the University of Kansas in 2004. Dr. Crawford has served with several engineering education related organizations to include the American Society for Engineering Education (ASEE) where he is currently the Vice President for Member Affairs, the National Council of Examiners for Engineering and Surveying, and ABET, Inc. He has conducted numerous teaching workshops and seminars and has been honored by ASEE with the 2012 National Outstanding Teaching Medal.

**Dr. Mary Phillips, Ph.D.**

**Assistant Professor of Mechanical Engineering, Department of Engineering, Quinnipiac University, Hamden, CT**



Dr. Mary Phillips is an Assistant Professor of Mechanical Engineering in the Department of Engineering at Quinnipiac University in Hamden, Connecticut. Dr. Phillips obtained her Bachelors of Science degree from the University of Notre Dame in 2007 and graduated from the University of California-Berkeley in 2012 with her Doctor of Philosophy degree in Mechanical Engineering. She assumed her current position in August, 2013 after a brief stint in industry as a Research and Development Engineer. Dr. Phillips is currently teaching courses in Fluid Mechanics and Mechanics of Materials Lab and is developing courses in Thermodynamics, Heat Transfer, and Biomedical Engineering. Since beginning her position at Quinnipiac University, Dr. Phillips has attended multiple teaching workshops and seminars and is applying the principles learned from these sessions to improve her own course development and teaching style.