The Bernard and Sophia Gordon Engineering Leadership Center’s mission is to educate and train effective engineering leaders who create new products and jobs that benefit society.

**SAMPLE SCHEDULE:**

**Week 1: Leadership Theory**

1:00 PM Preparation for Week 1  
Dr. Williams meets with Tandem Expert who will be speaking on leadership theory.

2:00 PM Class  
Dr. Williams provides an overview of approaches to leadership, leadership development and leadership competency frameworks.

3:45 PM Guest Speaker  
Tandem’s Expert (Example: Director 1)

4:15 PM Preparation for Week 2  
Dr. Williams will meet with Tandem Expert for Week 2 (Example: VP 1)

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**Engineering Leadership for Professional Engineers:**  
Expose and develop engineering leadership skills through interactive workshops at Tandem Diabetes Care.

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**About the Instructor: Dr. Ebonée Williams**

Dr. Williams is the Executive Director of the Gordon Engineering Leadership Center here at the Jacobs School of Engineering. Over the last three years, Dr. Williams has developed and executed the educational programs for the Gordon Center. Dr. Williams has a background in advanced polymer composites research with emphasis on vacuum assisted resin transfer molding and polynanomeric composite application in aerospace. Dr. Williams has hosted polymer composite training sessions for FAA inspectors, Boeing engineers and college students.

Dr. Williams earned her B.S. and Ph.D. in Chemical Engineering from Brown University and the University of Washington, respectively. She also has a Masters in Industrial Business Management from the Lille Business School in France.

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**Training Sessions Topics**

**Communication:** Techniques and tips on effective presentations, meeting management, stand and deliver, negotiation and conflict management.

**Innovation:** A systematic approach to innovation and how to inspire and encourage creativity in individuals.

**Leadership Theory:** An overview of approaches to leadership, leadership development and leadership competency frameworks.

**Power and Influence:** Five types of power that leaders use to influence others.

**Project Constraints:** Techniques and tips to effectively manage project constraints of time, resources and quality.

**Project Planning:** Guidance on decision making, risk aversion, and how to effectively use the feedback loop model.

**Situational Leadership:** Based on the study of Kenneth Blanchard and Paul Hersey, situational leadership focuses on how a leader must adapt his/her style to fit the development level of those he is trying to influence and motivate.

**Systems Thinking:** A systematic approach to problem solving that extends beyond the depth of engineering into the breadth of implementing engineering solutions with optimum components required to manifest an idea into reality and derive a solution to an existing problem.

**Teaming:** Techniques and tips to incorporate into your daily activities to access team members, build effective teams, and how to continuously motivate your team.