

LAUREN DEMARCO

FINANCIAL ENGINEER

ACADEMIC APPOINTMENTS – 9 YEARS



I am a Professor, Founder, and Commodities Trader focusing on the cross section of Financial Engineering, Innovation and Entrepreneurship. I believe the integration of entrepreneurial thinking with innovative investment strategies will drive Energy markets and Biotechnology to the level of innovation we need to solve the world's greatest challenges.

I am an excellent communicator; I can explain and synthesize complex topics into common terms and understand the importance of interaction and visualization in both research and learning.

AWARDS

2021 Excellence in Teaching Award Recipient honoring outstanding undergraduate teaching.

SKILLS

Quantitative Finance + Entrepreneurship

- Capital Markets for funding + entrepreneurship
- Analysis specifically with financial derivatives
- Excel, MATLAB, R

Instructional + Curriculum Design

- Advanced eLearning development for finance students
- Visualization, Interaction and Aesthetics impact on student learning

CONTACT

PHONE:
347-603-5573

WEBSITE:
[Linkedin.com-Lauren DeMarco](https://www.linkedin.com/in/LaurenDeMarco)

EMAIL:
l.demarco.ru@gmail.com

Rutgers University Rutgers Business School

Assistant Professor of Professional Practice 2022-Present

- Create, Design and Teach Finance curriculum focusing on Quantitative Methods, Derivatives and Fixed Income for Undergraduate Finance and Masters in Financial Analysis graduate program.

Department Service

- Advisor for the Scholar of Finance chapter
- CFA Scholarship Committee Member

Part Time Lecturer 2016 – 2019

Department of Economics

Assistant Teaching Professor 2021-2022

Instructor 2016-2021

- Create, Design and Teach finance courses for the Economics Undergraduate program including Capital Markets, Derivatives and Energy Economics
- Mentoring students interested in Energy Markets and Derivatives

Department Service

- Curriculum Committee Member
- Advisor for the Certificate in Financial Economics
- Advisor for the Rutgers CME Trading Challenge 2014-2015, 2017-2018

Part Time Lecturer 2014-2016

INDUSTRY EXPERIENCE -14 YEARS

COSM RESEARCH

Co-founder and Head of Commercialization 2017- Present

- Responsible for controlling, coordinating, and carrying out research project management in biomedically engineered products and guaranteeing the continuous innovation of products and work processes.

Independent Commodities Trading 2011-Present

- Trading, Research and Analysis of Commodities and Natural Resources
- Focus on futures instruments and derivatives
- Income Tax consultant for trading activities 2011-Present
- Consultant on Energy Derivatives + Markets- ADIN Energy 2015-2016

PSEG Energy Resources and Trade

Structuring and Quant Intern Feb 2014 – June 2014

- Research and quantitative analysis of the Power and Carbon markets in support of ER&T asset-based trading strategies
- Modeling PSEG wholesale power market including transmission congestion, LMP spreads
- Modeling carbon markets including fundamental price drivers and forecasting carbon prices

EDUCATION

Stevens Institute of Technology 2014

Master of Science: Financial Engineering

- Research focus on Power Markets: Electricity and Natural gas Markets. Coursework focus: Hedging and Risk Management with derivatives. Portfolio Optimization, Analysis, and Linear Programming.

St. John' University 2010

Bachelor of Science: Finance

- Fundamental + Econometric methodology and analysis
- Undergraduate academic scholarship recipient + Omicron Delta Epsilon