

Derivatives and Computational Finance Sequence



Daniel O'Rourke



Farid AitSahlia

Students in the MSF Program will have the opportunity to take a new sequence of four seven-week integrated courses in the upcoming academic year: (1) Derivative Securities, (2) Computational Methods for Derivatives Pricing, (3) Advanced Topics in Derivative Securities and (4) Risk Management. This sequence will cover the pricing of standard and exotic derivative securities as

applications of these models to risk management topics. Students will learn computer programming skills that will allow them to do Monte Carlo simulation analysis of real

world problems covered in the course. The faculty hired to teach the sequence bring significant real world experiences in options markets and risk management. The courses will be taught by Daniel O'Rourke (UF MBA) and Farid AitSahlia (Stanford PhD). Dan worked in various capacities in the options area at Goldman Sachs from 1989 to 2005 and then from 2005 to 2009 at Swiss Re where he served as managing director of an equity derivative internal hedge fund. Prior to teaching in this program, Farid taught in the Industrial Engineering department at UF and worked at Financial Engines in Palo Alto, California. This sequence is funded by the Hough Endowment which supports the MSF Program.

Valuation Sequence



James Parrino

Professor Jim Parrino will join the faculty to teach a new sequence of courses in valuation to MSF students during their first term in the MSF program. After taking these courses MSF students will be extremely well prepared to interview for summer internship positions in corporate finance. All of our students will approach the interview process with a strong foundation in valuation. Professor Parrino brings back to Gainesville (Jim received his Master of Accounting at UF) extensive practical and teaching experience in valuation. Prior to joining the UF faculty, Jim taught in the finance area at Babson College. He serves as Managing Director at CLB-Partners, a merger advisory firm for middle market companies. He is also a founding partner at Telesis

Partnership, a firm specializing in executive education programs for financial institutions since 1989. His engagements have included the delivery of customized executive programs in the US, Asia, Europe, Latin America and Australia. Most importantly Jim is excited about being part of the MSF Program. The introductory valuation courses also provide a solid foundation for our existing applied courses in valuation. Professor Parrino will also teach new courses in mergers and acquisitions and venture capital. These courses will greatly add to the depth of our applied valuation offerings. Professor Parrino's position is partially funded by the Hough Endowment which supports the MSF Program.