PRE-PROGRAM COURSES OF MATHEMATICAL METHODS FOR ECONOMICS AND FINANCE   A.Y. 2018/2019

Prof VEREDICE

Period: from 3 to 7 September 2018

Contents:

day	date	Topic	time
monday	3rd September 2018	**Linear Algebra:** Vectors and operations Linear combinations Vector spaces Matrices and operations Square matrices Determinant and rank	3,5 hours (16:00- 19:30)
tuesday	4th September 2018	**Linear Algebra:** Linear systems **Calculus:** Topology in R Domain	3,5 hours (9:30- 13:00)
wednesday	5th September 2018	**Calculus:** Limits Derivatives Graph of a function	3,5 hours (16:00- 19:30)
thursday	6th September 2018	**Series:** Definitions Summation notation Geometric series **Integrals:** Definitions Elementary integration	3,5 hours (16:00- 19:30)
friday	7th September 2018	**Integrals:** Integration by parts	3,5 hours (16:00-

		Integration by substitution Integration of a rational function	19:30)

Suggested reference reading material: "Mathematics for Economists" Simon & Blume. NORTON