

GRADUATE – Disciplines Menu
Doctorate and Masters in Economics

DISCIPLINE: Risk Econometrics	CODE: MDPEEC029
ACRONYM: ECOR	
PROFESSOR: Renato Galvão Flores Junior	WORKLOAD: 40h CREDIT HOUR: 4
MANDATORY: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	COURSE: <input type="checkbox"/> M <input type="checkbox"/> D <input checked="" type="checkbox"/> MD
PREREQUISITES: Courses: Econometrics I, Microeconomic Theory I and Microeconomic Theory II.	
CONCENTRATION AREA: STATISTICS AND ECONOMETRY	
<p>STUDY PLAN</p> <p>Risk Econometrics Course</p> <p>Summary Risk: basic concepts and forms of measurement. Review of asymmetric densities and heavy tails; extreme values and their statistics. Why most of the econometric studies applied is wrong. The fallacy of the forecast and the failure of the main methods; the illusion of the VaR; downsize risk and applications. Weakness, strength, and anti-weakness. Convexity and forecast; generalized inequalities of Jensen and their application. The three major sources of error due to ignoring the convexity/concavity. Methods to increase the anti-weakness of systems. The evaluation of rating systems with regard to the risk. Alert mechanisms in complex risk systems; applications to logistics. Applications to finance, international economy and natural disasters.</p> <p>Evaluation Evaluation will comprise two practical assignments, carried out individually at first and, if needed, a theoretical test at the end of the course.</p>	
<p>GOALS</p> <p>This pioneering course aims to provide an overview of the risk matter, particularly in econometric aspects, with applications to various risk control systems in finance, complex logistic operations, insurance and natural disasters.</p>	
<p>BIBLIOGRAPHY</p> <p>References will include, above all else, articles in specialized magazines - about several areas, not only economy - that will be suggested throughout the course. For the practical assignments, reading of some Manual associated with a specific system of risk control may be needed.</p>	