



COURSE..... Quantitative Methods Applied for Corporate Finance
SEMESTER/YEAR.... 2º/2026
PROGRAM..... School of Methods
CLASS-HOURS..... ☒ 30 hours
PROFESSOR..... Murillo Campello
LANGUAGE..... ENGLISH

COURSE OBJECTIVES

This is a condensed doctoral-level class on corporate finance, covering modern empirical work. The class will also look at the interface between corporate finance and other research areas, such as banking and industrial organization. The overarching goal is to expose students to “state-of-the-art” research and prepare them to conduct their own work using new methods and tools.

LEARNING GOALS

The course learning goals are presented in the table below, showing how they contribute to the learning goals related to methods, for the stricto sensu graduate programs at FGV-EAESP.

Program learning goals	Course learning goals	Level of contribution
Scientific method	To understand and critically discuss different methodological approaches to cutting-edge scientific methods used in assigning causal effects in empirical research.	● ● ●
Research project / procedures	To understand how prepare research projects. Hands-on approach to how to write papers that can be published at top academic journals.	● ● ○
Qualitative research methods	The course is primarily about quantitative methods, but qualitative insights are explored.	● ○ ○
Quantitative research methods	This is a course primarily dedicated to understanding quantitative methods used to design “empirical identification strategies.” It ultimately helps researches separate casual effects from correlation effects. It helps policy making at firms, governments, and households.	● ● ●
Development of academic papers	To discuss brand new ideas on matters that lead to papers that can be published at top academic journals.	● ● ●
<u>Other course learning goals:</u> To verbally present research papers. To write a substantive report about research papers.		

The full description of the learning goals of FGV-EAESP stricto sensu graduate programs can be found at <https://rebrand.ly/cursos-pos-eaesp>.

PREVIOUS KNOWLEDGE REQUIRED

Basic knowledge of econometrics is important. Topics expected include: OLS regressions, instrumental variables regressions, and panel data analysis. Familiarity with statistical packages, such as STATA, is helpful.

CONTENT/METHODOLOGY

Lectures and in-class discussion
Homework assignments
Referee report
Paper presentation/discussion



ASSESSMENT

Students will be evaluated on a number of activities and will be graded according to standard practice used at FGV. There will be hands-on data home works, one referee report assignment, and one presentation/discussion of papers in circulation. I will describe these items in detail next.

- Regular class participation: 20%

All students are expected to have read prior to class all the papers scheduled for discussion that day. Students need to come to the classroom with their minds on the material being discussed. Just “showing up” for class does not count for class participation.

- Referee report, homework assignments, other tasks: 50%

I will give specific guidelines regarding homework assignments during the course. These will be data-oriented, hands-on tasks. On the referee report, I am looking for the students to mature on the art of writing reports. The report will be on a paper that I have actually reviewed for a top journal, so the students can compare their assessment with that which decided the fate of the paper. Referee reports are individual work, but other assignments may be done in pairs (fostering a sense of collaboration/co-authorship).

- Paper presentation/discussion in the “mini AFAs” (last day of classes): 30%

One class will be dedicated to emulating an American Finance Association session-like setting where students will present and discuss papers as if they were professors at a research school. Papers will be chosen among the “hottest/newest” WPs in circulation. Some students will present (i.e., defend) the papers as if they were their own work, while others will discuss (i.e., critique) the papers. Presentations and discussions will be tightly timed and they will have to be professional. This is practice for the type of “ideas competition” you will see in the real world of academia. Each student should request to either present or discuss one paper in the list. Selection will be primarily made on a first-come/first-served basis. Your goal is to present yourself as a good presenter/debater of ideas. As I grade your performance, I’ll pay particular attention to items like the how comfortable you are with your presentation, the quality of your slides and how you “sync with” (go through) your slides, ability to make your point within the assigned time, seriousness/motivation of your performance, ability to criticize/refute others. You will be asked to choose one paper from a list provided after we have an account of the number of students in the course.

The overall, final grade will fall between 0 and 10; with the passing grade cut-off set at 6.

COURSE SCHEDULE

Class #1 (SP - June 29; from 1 to 4:45PM)	Course Introduction / “How to Publish in Top Journals”
Class #2 (SP - July 1; from 1 to 4:45PM)	Empirical Methods I [Endogeneity] / Assignment#1 Due
Class #3 (SP - July 3; from 1 to 4:45PM)	Empirical Methods II [D & DID Estimators]
Class #4 (SP - July 6; from 1 to 4:45PM)	Empirical Methods II [DID & DIDID Estimators]
Class #5 (SP - July 7; from 1 to 4:45PM)	Empirical Methods III [IV & LATE Estimators]
Class #6 (RJ - July 13; from 1 to 4:45PM)	Empirical Methods IV [RDD & RKD Estimators]
Class #7 (RJ - July 14; from 1 to 4:45PM)	Empirical Methods V [Matching Estimators]
Class #8 (Virtual - July 20; from 1 to 4:45PM)	Mini AFAs / Referee Report / Assignment #2 Due



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