EMBA-2224-500-Mathematics and Business Statistics

Name of lecturer(s) & Email	Level, Status, Timing	ECTS, CH & HW/GW*, Online
Marjorie Gassner & Vincenzo Verardi marjorie.gassner@ulb.be & vicenzo.verardi@ulb.be	Level 0 Optional Between 13-10-22 and 22–10-22	0 16 & 16 0

Description of the course unit

This is a "refresher" course in mathematics and statistics that aims to give students the mathematical and statistical tools that may come in handy when dealing with other courses in the program. The idea is of course to focus on the understanding of the concepts and/or some applications (mostly in the statistical part) rather than the pure theory.

Course unit Chapters

- The mathematics part will go through the essentials about functions mainly of one, but also of several variables, including the central concept of derivative.
- The statistical part will concentrate on univariate and bivariate descriptive statistics. Statistical inference will be explained relying on simulations. Regression analysis is introduced in the last part of the course.

Learning outcomes of the course unit

1. Introduction of basics to be applied in other courses of the programme

Teaching Methods	Teaching Activities
Lecture, Interactive Lecture	Exercises will be provided

Learning Objectives (Check Academic Rules & Regulations)	Assessment methodology / Students Use of Time and Load
- Learning Objective 1.1: Introduction - Learning Objective 1.2: Not Covered - Learning Objective 2.1: Introduction - Learning Objective 2.2: Not Covered - Learning Objective 3.1: Not Covered - Learning Objective 3.2: Not Covered	No Assessment for this course / Refresher

| **Evaluation scale**
Non Applicable | |

Contribution to the Sustainable Development Initiative

Non Applicable

Asynchronous Learning Material (Coursera)

Non applicable

Readings

Required

Notes provided by instructors

Notice: The information available in the course outline is subject to change. Please keep yourself informed at all times by regularly checking your Front Office Portal hosted on Canvas.