**Sustainable business innovation and finance**

Prof. Giovanni Guastella

***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The course aims to introduce students to the principles and practice of business models sustainability transition with a focus on the implications for the financial sector. After introducing business model innovation in general, the course looks more specifically at sustainability as an innovation driver as well as the role of non-financial performance. Particular attention is paid to ESG metrics and measures of environmental performance in relation to energy transition and decarbonisation. The last part of the course is dedicated to climate risk measurement in firms, distinguishing between physical and transition risk and to the range of financial instruments being adopted to finance the sustainability transition.

By the end of the course, students will be able to value business models sustainability based on environmental performance and climate risk metrics. Students will also be able to estimate the potential financial impacts of business models innovation for the sustainability transition. Finally, students will learn to identify and assess the green characters of financial instruments.

The mix between theoretical lectures and case studies discussion will familiarise students with the basic theoretical concepts of sustainability and business model transformation while understanding the practical implications for financial markets.

***COURSE CONTENT***

Course presentation

Drivers of business model innovation

The challenge of sustainability for firms and the role of non-financial performance

Sustainability metrics for firms: the ESG ratings

Climate change mitigation and energy transition

Measuring physical and transition risks

Financing the sustainability transition

***READING LIST***

Materials are provided by the instructor.

***TEACHING METHOD***

Theoretical lectures and laboratories

***ASSESSMENT METHOD AND CRITERIA***

The acquisition of knowledge will be assessed with a written test in which students will answer multiple short questions. These questions will cover both the theoretical part and the analysis of case studies discussed during class hours. The final grade of the written exam will be assigned by valuing the correctness of the provided answers.

***NOTES AND PREREQUISITES***

The course does not require previous knowledge of the topics.

The instructor receives students in his office.

Students are requested to send an email to schedule the meeting.