

COURSE SYLLABUS

SUSTAINABLE INFRASTRUCTURE FINANCE



Associate Professor
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SHORT BIOGRAPHY

Dr. Ashenafi Fanta is an associate professor and head of Ph.D. development finance program at the Stellenbosch Business School. Prof. Fanta holds a doctoral degree from Johannes Kepler University of Linz, Austria (2010) and a master's and a bachelor's degree with distinction from Addis Ababa University, Ethiopia. Before joining the School, Prof. Fanta was Data Analysis and Segmentation Expert at FinMark Trust where he was involved in developing segmentation models. Before FinMark Trust, Prof. Fanta had been teaching at higher learning institutions in Ethiopia for 12 years. Prof. Fanta has published in several scholarly Journals and delivered papers at international conferences. He received the Best-Paper award from Taylor & Francis at the International Academy of African Business and Development (IAABD) Conference held in Atlanta, the USA for his paper published in the Journal of African Business. His research interests include financial development, infrastructure finance, SME finance, and financial inclusion.



INTRODUCTION/COURSE DESCRIPTION

The role of infrastructure in economic development is widely recognized and integral to national development plans. Its importance is heightened by climate-related disasters and the need for sustainable economic growth. Infrastructure is key to sustainable development, with quality, reliable, and resilient infrastructure emphasized in SDG Goal 9. Social and economic infrastructure is essential for achieving inclusive growth (Goal 10), expanding education (Goal 4), and providing job opportunities (Goal 8). This course offers a comprehensive understanding of sustainable infrastructure finance, exploring key concepts, tools, and practices for funding and managing infrastructure projects with economic, environmental, and social sustainability in mind, focusing on the Colombian context.

COURSE OBJECTIVES

1. Knowledge and understanding:

- 1.1 Understand and critically evaluate the sustainable infrastructure financing needs of various sectors in Colombia.
- 1.2 Explain the economic theories linking sustainable infrastructure development and growth and their practical implications.

2. Skills and abilities:

- 2.1 Identify various sources of funding for sustainable infrastructure development in Colombia.
- 2.2 Critically evaluate various financing models in infrastructure development and their implications.
- 2.3 Research sustainable infrastructure development and growth and motivate well-articulated intervention programs.

3. Judgment and approach:

- 3.1 Appreciate the role of innovative financing techniques in narrowing Colombia's infrastructure financing gap.

COURSE METHODOLOGY

Lectures, Team discussions, and Case study.



EVALUATION SYSTEM

- Class Participation (10%)
- Online quizzes (20%)

COURSE PREREQUISITES

No pre-requisite but a background in finance will be an advantage.

