



# GREEN FINANCE FOR THE BUILT ENVIRONMENT

SGFIN-05

The Green Finance for the Built Environment module is built in collaboration with the NUS College of Design and Engineering (CDE), and is part of the comprehensive Sustainability for the Built Environment CDE programme, which aims at developing an understanding and appreciation of international and local developments in sustainability landscape and the latest innovative/cutting edge technologies in this space.

This one-day short course will cover the key cost and benefit items in the usual financial assessment of green projects. Then it will expand into the sustainable financing framework to incorporate the social and environmental externality generated by the project. The additional internalization of the externality will be incorporated into a more holistic valuation framework. Such consideration of the social and environmental value creation and destroying will assist for decision making by various stakeholders such as developers, users, the regulators, the government, and the general public. Such approach is at the cutting-edge of the incorporation of social and environmental externality into a financial valuation framework.

## TOPIC COVERAGE

At the end of the course, participants will:

- ✓ Be able to bring economic value capture from sustainability initiatives
- ✓ Be able to highlight the carbon impact and attract investor/private sector financing interest in agencies' sustainable development projects
- ✓ Understand how sustainability will be transformed from a cost item to a revenue item
- ✓ Understand the use of carbon shadow pricing in public sector CBA analysis for sustainability projects

## WHO SHOULD ATTEND

This targeted audience for the course are MND Officers.

## FEES & FUNDING

Fees & Funding	Unique Fee
Course Fees	\$ 1,050.00

The above price is quoted in Singapore dollars (SGD), exclusive of 8% GST

\$ SGD 1,050.00

NUS Campus

1 Day / 6.5 h

Intermediate Level

## PRE-REQUISITES

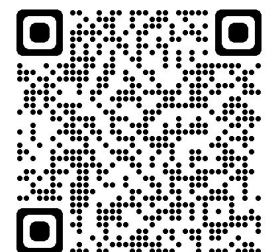
Bachelor's Degree/ Diploma holders in Engineering, Science, Technology, and Bachelor's degree in Architecture is preferred. For Diploma holders, relevant work experience will be required.

## APPLICATION

- Participants are strongly advised to apply at least 1 month in advance

Visit Us Online, or contact:

✉ [sgfin@nus.edu.sg](mailto:sgfin@nus.edu.sg)





## PROFESSIONAL PROGRAMME INSTRUCTOR



**ASSOCIATE PROFESSOR  
ZHANG WEINA**

Department of Finance  
NUS Business School

Associate Professor Zhang Weina is with the Department of Finance at National University of Singapore (NUS) Business School. She is also the Academic Director of MSc in Sustainable and Green Finance Programme and the Deputy Director of Sustainable and Green Finance Institute (SGFIN) at NUS. She obtained her Master of Science and Ph.D. in Finance from Kellogg School of Management at the Northwestern University, USA.

Weina's current research and teaching focus on sustainable and green finance, fixed income securities, asset pricing and investment. She examines how ESG are priced in financial securities. She also explores the informational efficiency in various financial markets and the impact of different policies on financial instruments. S

he currently teaches courses such as Sustainability and Finance, Sustainable and Green Investment at the master's and undergraduate's levels. She also teaches lifelong learning modules and conducts executive trainings in the related areas.

Weina has published dozens of academic papers including *Management Science* and *Review of Finance*. She has also published more than 30 business cases with IVEY. Her papers have received several best paper awards and she is also a recipient of many teaching excellence awards both at the NUS Business School and the University levels.

# EXECUTIVE EDUCATION PROFESSIONAL PROGRAMMES

Sustainable and Green Finance Institute is supported by MAS to "groom a broad pipeline of talent and leadership in sustainable and green finance across the career spectrum." (MAS MD Ravi Menon, "Financial Times: Investing for Good" Conference). SGFIN curates professional programmes tailored for the needs of finance, accounting and corporate sectors. Our short-term courses serve as an important steppingstone for executives, managers, officers, strategists, and those involved in driving sustainability transformation within their organizations. Our short courses will be conducted in face-to-face format and led by facilitators from NUS.



**SGFIN-01 Carbon Accounting for Enterprises:** In this 2-day SSG funded short course, participants will learn fundamental concepts and applications of carbon accounting, frameworks and standards for measurement and reporting on environmental impact (such as GHG protocols), mandatory reporting requirements and voluntary disclosure initiatives. Our participants will also practice comprehensive carbon footprint analysis, GHG emissions calculation, and carbon reduction strategies - accompanied by relevant real world case studies.

**SGFIN-02 Sustainable Project Financing:** This 2-day SSG funded short course provides participants with a broad understanding of the principles and practices involved in the integration of ESG considerations in project evaluation and financing. Participants will learn various financing models and funding sources for sustainable projects. By the end of the course, participants will be equipped with the necessary knowledge and tools to evaluate sustainable projects with environmental and social considerations, making more informed investment/financing decisions and fostering long-term sustainability for businesses, organizations, and the society.



**SGFIN-03 Sustainability Reporting and Governance:** This 2-day SSG funded short course focuses on the key areas of sustainability reporting on ESG factors, to meet the rapidly evolving demands of regulators, investors and consumers. The course covers key stakeholders and important ESG factors and the reporting, the evolving landscape of ESG rating systems, as well as the latest developments in global, regional and local sustainability reporting frameworks. By the end of the course, the participants should be able to recommend policies and practices in key areas of corporate strategies that are aligned with ESG considerations.

**SGFIN-04 Financial Valuation of Social and Environmental Impact:** This 2-day SSG funded short course equips participants with the prevailing methodologies and tools to value the social and environmental impacts of their business activities and operations. Such valuation will facilitate more consistent and optimal resource allocation and investment decision at the enterprise level.



**SGFIN-05 Green Finance for the Built Environment:** This 1-day open course introduces participants to the integration of economic concepts with the environmental and social performance of green buildings. At the end of the course participants will be able to leverage economic value capture from sustainability initiatives, highlight the carbon impact and attract investor/private sector financing interest in agencies' sustainable development projects, understand how sustainability will be transformed from a cost item to a revenue item, and understand the use of carbon shadow pricing in public sector CBA analysis for sustainability projects.

**Social and Sustainable Investing:** This 2-day SSG funded short course focuses on making investment decisions that incorporate social and environmental considerations. Social and Sustainable investing has been attracting increasing public interest in the recent decade. With many related investment opportunities appearing on the market, this course aims to provide insights and principles that enable better investment decisions in this emerging field.



SkillsFuture funding (SSG) applies to eligible courses of up to 90% subsidy



NUS Campus



1-2 Day Courses  
9am – 5.30pm / 6pm



Intermediate & Basic Level

## PRE-REQUISITES

Basic understanding of financial concepts, as well as how companies operate within a competitive environment

## APPLICATION PROCEDURE

Participants are strongly advised to apply at least 1 month in advance.

Visit Us Online, or Contact:

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