

May 29th - July 21st



Taught in English

WINTER COURSE

Water Management, Sustainability and Pollution: Impacts and Solutions Benefiting Environment and Traditional Communities in Brazil

OVERVIEW

The main goal of the project is to provide an understanding of the environmental, society (welfare and economical) and technical impacts of water pollution and treatment in São Paulo state. The participants will be asked to propose innovative solutions to improve the social impact of the water pollution situation in the region. This project will be based on courses, technical visits and field work within a multidisciplinary approach.

The course is designed to be presented in five modules offering the fellows a great immersion into Brazilian culture and society. It will also provide the necessary perspective of the regional situation, giving a more grounded understanding of the importance of technical aspects of the project and the responsibility that comes with STEM careers.

PROGRAM STRUCTURE

32 hrs

CLASS HOURS

65 hrs

TECHNICAL VISITS
OFF-CAMPUS

20 hrs

PRACTICAL ACTIVITIES
ON-CAMPUS

50 hrs

PROJECT MENTORING
AND DEVELOPMENT

20 hrs

PORTUGUESE CLASSES
FOR FOREIGNERS

Professors from different areas will be involved in this project sharing as much information as possible, including updated technologies and careers experiences.

Many technical visits will be offered to the participants of this program, which include laboratory work at the facilities at Mackenzie Presbyterian University and the opportunity to join volunteering projects to work with low-income and/or traditional native communities. At the end of the course, students will present a social impact project developed in group.

Cultural and social activities will also complete the Brazilian experience.



COURSE CONTENT

Modules will be composed by:

- Cultural Immersion: society, history, art, language, gastronomy, economics and politics
- Biodiversity and Environmental Law
- Reverse Logistics and Recycling
- Basic Sanitation and Health
- Social Impact Projects



PUBLIC

Undergraduate and graduate students interested in STEM topics relating to Brazilian context.



PRACTICAL INFORMATION

Course dates: from May 29th to July 21st

Program tuition for partners and MPU students: free

The classes and the activities will be conducted in English (proficiency in the language must be Intermediate or higher)