



## COURSE SYLLABUS SUMMARY



Universidad de los Andes  
Colombia

School of Management  
Leadership for Life

international  
**summer**  
school 2022

## SUSTAINABLE OPERATIONS

**Utku Serhatli**  
NOVA School of Business and Economics



July 5 – July 15 | Monday - Friday (6:00 pm – 9:00 pm) \*Saturday (9:00 a.m. – 12:00 m.)

**ON-CAMPUS - PM**

### DESCRIPTION

The social and environmental impact of businesses has become a central issue in modern society. Communities are demanding higher standards of air, water, and soil quality. Climate change is constantly on the news. Social welfare inequality has been rising. Consumers are becoming more aware and conscious of the social impact of business practices. Even though the technology and products to address many of today’s global environmental and social challenges already exist, many communities lack access to them. This course is aimed at analyzing and designing operations processes and strategies to deliver these solutions to those who need them the most. Throughout this class, we will also examine and discuss global issues related to climate change, energy, waste, labor, and poverty.

## OBJECTIVES

The first objective of this course is to provide students with a toolset that will allow them to analyze, evaluate, improve, and create operations that address some of the major challenges faced by humankind. Exemplary topics include building a circular economy, sustainable agriculture, humanitarian logistics, scaling the operations of a profitable business that addresses a social challenge, industry self-regulation, and digital transformation. The second objective of the course is for students to identify sustainability goals for an industry they are interested in, and to propose and evaluate business models that achieve these goals.

## METHODOLOGY

We will leverage many tools, methods, and frameworks. We utilize case studies, group discussions, student presentations, and business simulations. In a way, the course will be a mix of lectures and case discussions. As part of the course, students will also propose a business innovation that addresses a social or environmental need (either within an existing company or as a start-up idea).

## EVALUATION

The breakdown of evaluation is given below:

- Cases, readings & blog posts (30%)
- Innovation Exercise (report and presentation) (20%)
- Class Participation (10%)
- Final Exam (40%)

Student participation will be graded on the familiarity with the assigned preparation material and constructive engagement in class (both quantity and quality).

---

The evaluation system can be subject to changes.

---

## PRE-REQUISITES

None

Given the uncertainty related to Covid-19, the time schedule and delivery mode of the courses can be subject to changes according to government and institutional regulations.