



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP30\_DIP\_MAN

## Visiting Professor Program Academic year 2022/2023

**TEACHING COMMITMENT:** 14 hours

### COURSE TITLE

**Operations Management**

### TEACHING PERIOD

2nd term

### SCIENTIFIC AREA

Commodity Science

### LANGUAGE USED TO TEACH

English

### COURSE SUMMARY

The course deals with the principal phases of the processes for the production of goods and/or the realization of services, with particular reference to technical aspects, effectiveness-efficiency of the processes, (human and material) resources and stakeholder satisfaction.

In particular the course is articulated in the following parts:

- Strategy, products and capacity;
- Design of products and services;
- Manufacturing and service processes;
- Process design and analysis;
- Total quality management;
- Six Sigma approach and methodology;
- Productive capacity management;
- Lean production system;
- Material requirements planning.

## **LEARNING OBJECTIVES**

The course aims at completing the student's knowledge thanks to concepts and tools useful to examine the technological aspects of production that are necessary to understand better the company's Operations. Students will be able to apply the technical and economic knowledge in the evaluation of issues that are normally considered part of the only technical expertise. The student's economic and accounting expertise has to be completed by technical knowledge in order to give student an objective evaluation about fundamental issues in the current productive system. The ability of a multidisciplinary communication will be the main result of the course, along with the acquisition of technical and managerial terminology, to understand better typical problems of the Operation management. Student's learning ability will be improved by the acquisition of evaluation tools that will help them to completely consider productive system and contribute to the solution of problems.

## **TUTORSHIP ACTIVITIES**

N/A

## **LAB ACTIVITIES**

N/A

## **OTHER ACTIVITIES BESIDES THE COURSE**

N/A

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## **VISITING PROFESSOR PROFILE**

The candidate must demonstrate scientific and professional competencies in one or more of the following areas of expertise:

1. Continuous improvement and Lean production.
2. Operations management, designing products and services.
4. Supply Chain management.

## **CONTACT PERSON AT THE DEPARTMENT**

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