

PRODUCTION AND QUALITY MODULE

24 class hours (1 class hour is 45 minutes)

WHO IS IT FOR?

The course is recommended for professionals specialising in an executive function within production/warehousing/logistics, but/and lack the necessary level of knowledge about production and quality management.

COURSE AIMS

The course is meant to give candidates a more in-depth understanding of the characteristic features of production systems, also of the links between objectives and tools, production and logistics, and to give them hands-on tools in possession of which they can start to independently develop processes, explore and solve problems.

COURSE UNITS

- Exploring the relationship between production planning and logistics - how is each supported by the other?
- Overview of roles and responsibilities in production
- Production systems and their characteristics
- Process analysis (e.g. understanding key terms such as put-through time, cycle time, takt time, lot size of a series, narrow cross section, inventory management, links between the former and their significance)
- Quality (quality costs, quality management systems, TQM)
- Developing an understanding of ongoing development (PDCA, using graphics tools in quality improvement, such as e.g. data collection sheet, Pareto diagram, histogram, regulation card, Ishikawa diagram, distribution spread diagram, boxplot diagram, cause-effect matrix, flow chart (SIPOC diagram), etc.)
- Creative tools for quality improvement
- Order, process capability, problem solving (5S, process capability tests and indices, 5w2H, 5 why analysis)
- Production in practice - **Business simulation game** to practise using new knowledge