

## Content

| Course Code | Course Name             | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|-------------------------|----------|--------|----------|-----|--------|------|
| IND358      | Productivity Management | 5        | 3      | 0        | 0   | 3      | 4    |

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|------------------------|--|
| Prerequisites          |  |
| Admission Requirements |  |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Language of Instruction | French                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Course Type             | Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Course Level            | Bachelor Degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Objective               | Productivity Management course, related to the efficiency of manufacturing and service systems management tools, aims at teaching styles and approaches.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Content                 | 1 / Productivity Concept and Related Concepts<br>2 / Productivity Measures. Why is productivity measured?<br>3 / Productivity and Performance<br>4 / Productivity Management and Efficiency Factors<br>5 / Unit Cost Efficiency<br>6 / Unit Cost Efficiency-enhancing recommendations<br>7 / Unit Cost Efficiency examples<br>8 / Productivity Planning and Programming<br>9/ Mid Term Exam<br>10 / Service Productivity Management Systems<br>11 / Production Systems Productivity Management<br>12 / Differences in Productivity Management Service and Production Systems<br>13 / Labor Productivity and its Importance<br>14 / Positive and Negative Productivity Cycle |
| References              | 1/ Course notes.<br>2/ P. Vrat, Productivity Management: A Systems Approach.<br>3/ John Heap, Productivity Management: A Fresh Approach.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Theory Topics

| Week | Weekly Contents                                                       |
|------|-----------------------------------------------------------------------|
| 1    | Productivity Concept and Related Concepts                             |
| 2    | Productivity Measures. Why is productivity measured?                  |
| 3    | Productivity and Performance                                          |
| 4    | Productivity Management and Efficiency Factors                        |
| 5    | Unit Cost Efficiency                                                  |
| 6    | Unit Cost Efficiency-enhancing recommendations                        |
| 7    | Unit Cost Efficiency examples                                         |
| 8    | Productivity Planning and Programming                                 |
| 9    | Mid Term Exam                                                         |
| 10   | Service Productivity Management Systems                               |
| 11   | Production Systems Productivity Management                            |
| 12   | Differences in Productivity Management Service and Production Systems |

| Week | Weekly Contents                          |
|------|------------------------------------------|
| 13   | Labor Productivity and its Importance    |
| 14   | Positive and Negative Productivity Cycle |