

#1 Introduction

Dewi Hardiningtyas, ST., MT., MBA.

Industrial Engineering Department, University of Brawijaya

Course objectives :

- Students understand principles of productivity, effectiveness and efficiency.
- Students understand appraisal model of enterprise productivity.
- Students understand evaluation and planning model of productivity.
- Students understand improvement model of productivity.
- Students can measure and analyze productivity.



References :

- Summanth, DJ. *Productivity Engineering and Management*, McGraw–Hill, 1985 .
- Riggs, JL, *Production Systems: Planning, Analysis, and Control*, John Wiley & Sons, 1987.
- Coelli, TJ, Rao, DSP, O'Donnell, CJ & Battese, GE, *An Introduction to Efficiency and Productivity Analysis*, Springer, 2005
- Others productivity books.

Course outline :

Week	Subjects
1	Introduction
2	Origin of productivity
3	Importance and factors affecting productivity
4	Productivity engineering and management
5	Productivity measurement at industrial level
6	Total productivity management
7	Productivity evaluation
8	Quiz 1

Week	Subjects
9	Productivity planning
10	Productivity improvement
11	OMAX
12	Green Productivity
13	Quiz 2
14	Data Envelopment Analysis
15	Value Stream Mapping
16	Benchmarking

Have an enjoy study
and see you next week...

Thank you...