1. Record Nr. UNINA9910153088403321

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Titolo	Work systems : the methods, measurement and management of work / / Mikell P. Groover
Pubbl/distr/stampa	Harlow, Essex : , : Pearson, , [2014] Â©2014
ISBN	9781292053363
Edizione	[Fist edition, Pearson new international edition.]
Descrizione fisica	1 online resource (739 pages)
Collana	Always learning
Disciplina	658.53
Soggetti	Methods engineering Work measurement
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover -- Table of Contents -- 1. Introduction -- 2. Manual Work and Worker-Machine Systems -- 3. Work Flow and Batch Processing -- 4. Manual Assembly Lines -- 5. Logistics Operations -- 6. Service Operations and Office Work -- 7. Projects and Project Management -- 8. Introduction to Methods Engineering and Operations Analysis -- 9. Charting and Diagramming Techniques for Operations Analysis -- 10. Motion Study and Work Design -- 11. Facility Layout Planning and Design -- 12. Introduction to Work Measurement -- 13. Direct Time Study -- 14. Predetermined Motion Time Systems -- 15. Standard Data Systems -- 16. Work Sampling -- 17. Computerized Work Measurement and Standards Maintenance -- 18. Learning Curves -- 19. Lean Production -- 20. Six Sigma and Other Quality Programs -- 21. Introduction to Ergonomics and Human Factors -- 22. Physical Ergonomics: Work Physiology and Anthropometry -- 23. Cognitive Ergonomics: The Human Sensory System and Information Processing -- 24. The Physical Work Environment -- 25. Occupational Safety and Health -- 26. Work Organization -- 27. Worker Motivation and the Social Organization at Work -- 28. Job Evaluation and Performance Appraisal -- 29. Compensation Systems -- Appendix: Statistical Tables -- Index.
Sommario/riassunto	For sophomore or junior-level courses in industrial engineering. Divided into two major areas of study - work systems,

and work methods, measurement, and management - this guidebook provides up-to-date, quantitative coverage of work systems and how work is analyzed and designed. Thorough, broad-based coverage addresses nearly all of the traditional topics of industrial engineering that relate to work systems and work science. The author's quantitative approach summarizes many aspects of work systems, operations analysis, and work measurement using mathematical equations and quantitative examples.