



Course Information Industrial Engineering

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Course Introduction

Course : BPN2023-Industrial Engineering

Credit hour : 3 hours

Contact hour : 3 x 14 weeks

Pre-requisite : None



What will be learnt?

The concrete principles & practical techniques to design, install, and improve the integrated systems of people, material, information, equipment, & energy.



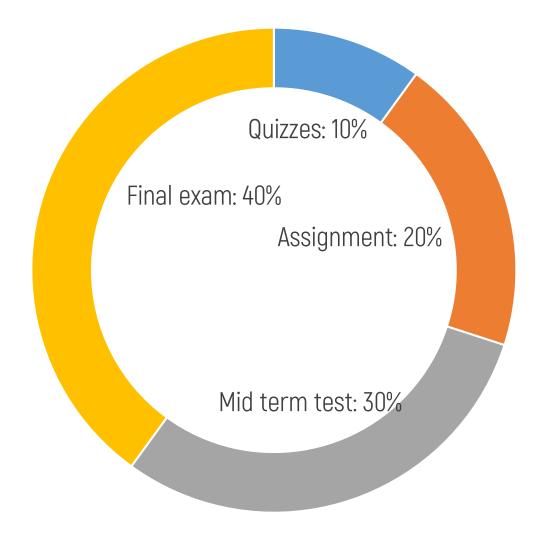
Course Outcome

CO1: Point out the principles of industrial engineering in designing, installing, and improving an integrated system.

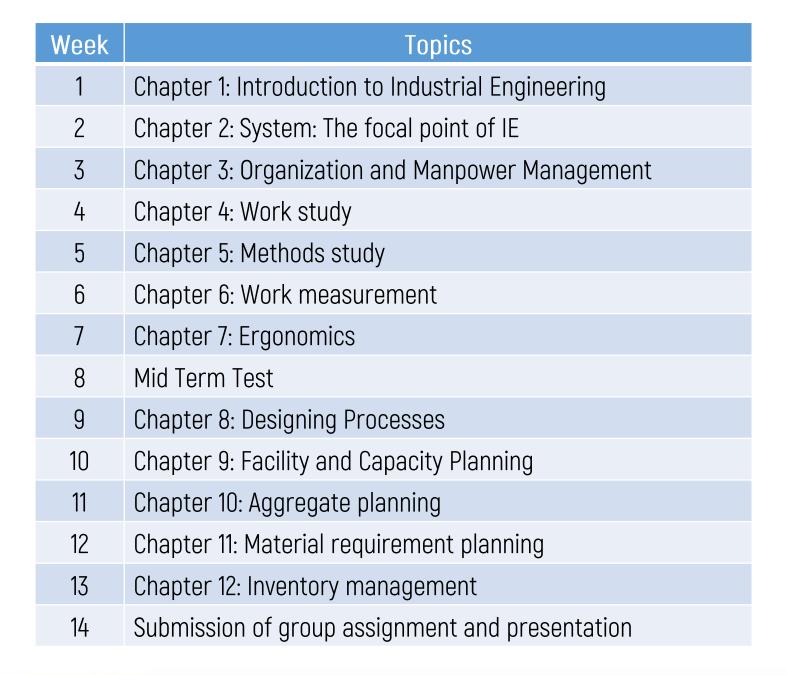
CO2: Synthesize an integrated system of people, material, information, equipment, and energy in problem solving and decision making.

CO3: Practice industrial engineering principles for continuous improvement.





Assessment





Course Planning



References

- Greene, J. (2013). *Industrial Engineering: Theory, Practice & Application: Business and Production Management, Productivity and Capacity*. South Caroline, USA: Jackson Productivity Research Inc.
- Heizer, J., & Render, B. (2017). *Operations management: Sustainability and Supply Chain Management*, 12th ed. Singapore: Pearson Education, Inc.
- Russell, R. S., & Taylor, B. W. (2014). *Operations management and supply chain management*, 8th ed. Singapore: John Willey & Sons, Inc.
- Salvendy, G. (2001). *Handbook of industrial engineering: technology and operations management*. Canada: John Wiley & Sons.
- Turner, W. C., Mize, J. H., Case, K. E., & Nazemtz, J. W. (1993). *Introduction to Industrial and Systems Engineering*. New Jersey: Prentice Hall.







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