

# Global Operations

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Operations Management, 12<sup>th</sup> edition, W. J. Stevenson, McGraw-Hill, 2014

D	Course
1 am (3 hours)	Course Introduction and Grouping Introduction to Operations Management <b>(1)</b>
1 pm (3 hours)	Competitiveness, Strategy, and Productivity <b>(2)</b>
2 am (3 hours)	Forecasting <b>(3)</b>
2 pm (3 hours)	Product and Service Design <b>(4)</b> Reliability <b>(4 Supplement)</b>
3 am (3 hours)	Strategic Capacity Planning for Products and Services <b>(5)</b> Decision Theory <b>(5 Supplement)</b>
3 pm (3 hours)	Process Selection and Facility Layout <b>(6)</b>
4 am (3 hours)	Aggregate Planning and Master Scheduling <b>(11)</b> MRP and ERP <b>(12)</b>
4 pm (3 hours)	Inventory Management <b>(13)</b>
5 am (3 hours)	JIT and Lean Operations <b>(14)</b>
5 pm (3 hours)	Supply Chain Management <b>(15)</b>
6 am (3 hours)	Scheduling <b>(16)</b>
6 pm (3 hours)	Project Management <b>(17)</b>
6 night (1.5 hours)	<i>Final</i>

Class Participation and Homework 30%, Video Survey and Presentation 20%, Final 50%

Each student needs to find several videos showing state-of-the art progress of Operations Management in terms of hardware, software, technology, system, idea, ..., etc. Please also prepare ppt for brief introduction and discussion. Please use about 20 minutes for the presentation of ppt and video.