

IE375 Fall 2020
READING LIST – All semester

SOME OF THE TOPICS IN THE BELOW READING LIST MAY NOT BE COVERED IN CLASS. YOU ARE STILL RESPONSIBLE FOR READING THE MATERIAL. THERE IS NO NEED TO MEMORIZE FORMULAS, BUT IT IS IMPORTANT TO UNDERSTAND THE LOGIC.

1) Introduction

7th Edition	6th Edition
○ Chapter 1 ○ Chapter 6 – pp. 315-320 ○ Chapter 7 – pp.367-370 ○ Chapter 8 – pp. 437-443	○ Chapter 1 ○ Chapter 6 – pp. 311-316 ○ Chapter 7 – pp. 364-370
Sections with significant changes:1.3, 1.8	
New: Chapter 7.	

2) Forecasting

7th Edition	6th Edition
○ Chapter 2 (except 2.3, 2.10-2.13)	○ Chapter 2 (except 2.3, 2.10-2.13)
Sections with significant changes:2.9	

3) Aggregate Production Planning

7th Edition	6th Edition
In the order of covering in class ○ Chapter 3.4 to end of Chapter 3 ○ Supplement 1 (pp. 169-197) – for LP ○ Rest of Chapter 3 –	○ Chapter 3 (except 3.7, 3.8) ○ Supplement 1 (pp. 169-197) – for LP
New Sections: 3.1, 3.2, 3.3	

4) Inventory Planning: Deterministic Models and Stochastic Models

7th Edition	6th Edition
○ Chapter 2 – 2.11, 2.13 ○ Chapter 4 - 4.1-4.4 ○ Chapter 4 – 4.5-4.10 ○ Appendix 4-A ○ Appendix 8-A ○ Chapter 5 (except p. 283 “Service Levels in Periodic-Review Systems”, p.288 “Exchange Curves” and 5.8) ○ Appendix 5-A through Appendix 5-D	○ Chapter 2 – 2.11, 2.13 ○ Chapter 4 - 4.1-4.4 ○ Chapter 4 – 4.5-4.10 ○ Appendix 4-A ○ Appendix 7-A ○ Chapter 5 (except p. 281 “Service Levels in Periodic-Review Systems”, p.285 “Exchange Curves” and 5.8) ○ Appendix 5-A through Appendix 5-D

5) Operations Scheduling

7th Edition	6th Edition
○ Chapter 9 (except 9.10) ○ Two-job Flow shop problem and parts of stochastic scheduling are not covered in class, but you are responsible to read.	○ Chapter 8 (except 8.10-8.11-8.12) ○ Two-job Flow shop problem and parts of stochastic scheduling are not covered in class, but you are responsible to read.