Polymer Science

Spring 2022
by M.-H. Lee

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Language: English

Lecture Time: Mon. 16:00 – 17:50, Wed. 16:00 – 16:50
Lecture Room: Human Art Bldg. #2 Rm. 504
(Office) Eng. Bldg. #9 Rm. 701

Textbook: see slide #2-4

Syllabus: see slide #5

Studying This Lecture & Grading: see slide #6-7

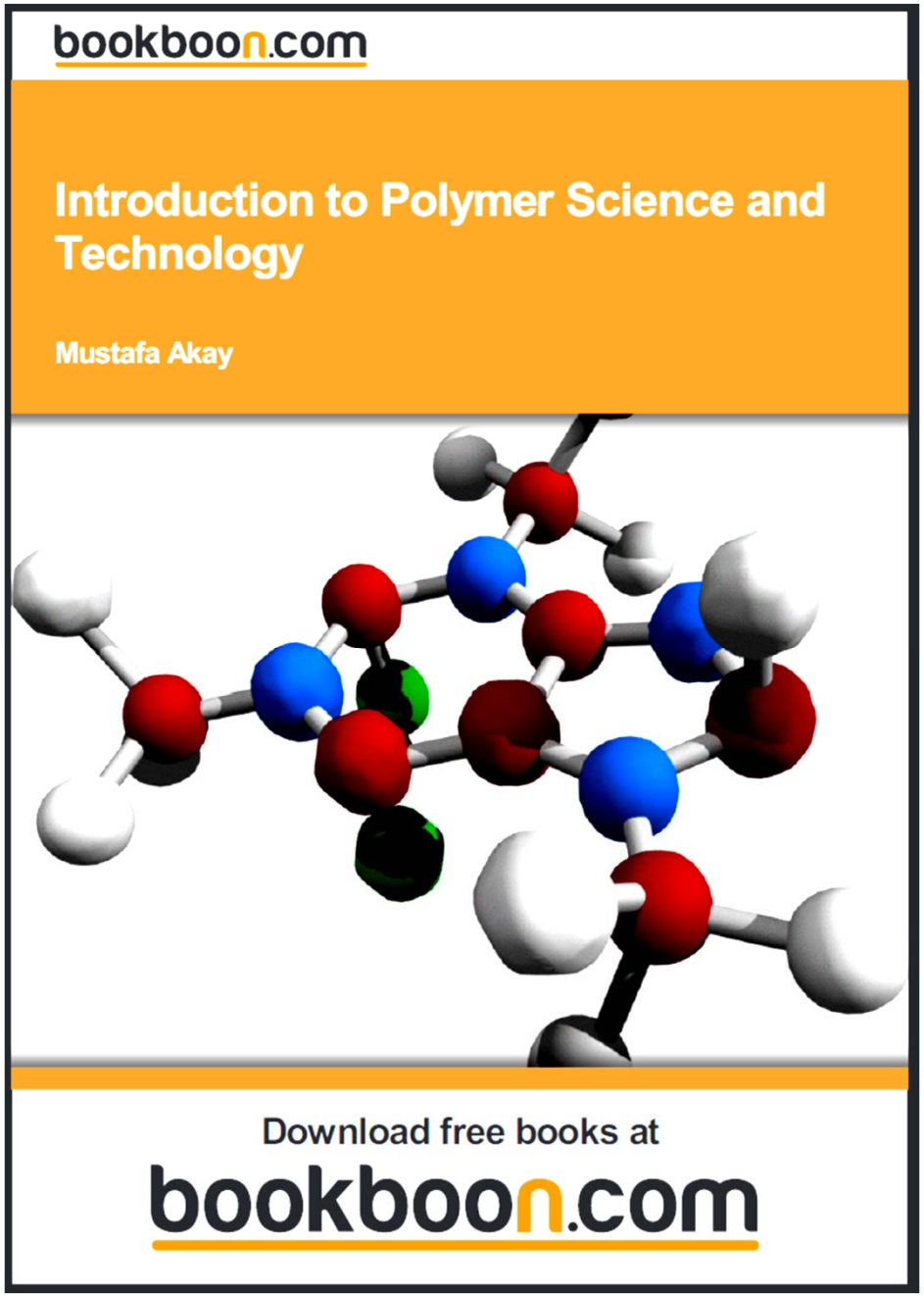
TEXTBOOK

Mustafa Akay

Introduction to Polymer Science and Technology

DOWNLOAD at

https://www.academia.edu/14375505/Introduction_to_Polymer_Science_and_Technology_-_in_English



Contents

Contents (cont.)

Syllabus

Week	Date (tentative)	Content	Pages
Week 1	March 7	Orientation	
Week 2	March 14	1. Introduction – Part 1	10 ~ 19
Week 3	March 21	1. Introduction – Part 2	20 ~ 30
Week 4	March 28	2. Polymerization - Part 1	31 ~ 38
Week 5	April 4	2. Polymerization - Part 2	39 ~ 53
Week 6	April 11	3. Polymer Processing - Part 1,2	54 ~ 97
Week 7	April 18	3. Polymer Processing - Part 3	98 ~ 110
Week 8	April 25	※ Mid-term Examination	
Week 9	May 2	4. Microstructure	111 ~ 132
Week 10	May 9	5. Behaviour of Polymers	133 ~ 162
Week 11	May 16	6. Mechanical Properties	163 ~ 208
Week 12	May 23	7. Thermal properties - Part 1	209 ~ 224
Week 13	May 30	7. Thermal properties - Part 2	225 ~ 260
Week 14	June 6	Q&A	
Week 15	June 13	※ Final Examination	

Studying This Lecture

1. Download the textbook as shown in the previous slide (page 2).
2. Lecture moving picture (MP4) and lecture notes (PDF) will be uploaded on the LMS by 9:00 AM every Monday.
3. Lecture should be watched more than 80% in the due time (from Monday 9:00 AM until the midnight of next Sunday) to credit your presents in the lecture.
4. There is a password for lecture notes: “spleo”
5. There will be a few home assignment, which will be announced via LMS. This should be prepared by hand writing, converted to PDF format, and submitted in the due time through the LMS only. Late submission will be considered as a minus to the grading.

Gradings

1. Presence Call (20%)
2. Homework (20%)
3. Mid-Term Exam (30%)
4. Final Exam (30%)