

THE LOS ANGELES RUBBER GROUP, INC
BASIC RUBBER TECHNOLOGY CLASS – 2021/22

Webinar Format

Thursday 4:00 pm -6:00 pm Pacific Time

COURSE TOPICS & READING ASSIGNMENTS:

Textbook Provided: **Fundamentals of Rubber Technology** by **R.J. Del Vecchio**

- 10/14 **Lecture:** Introduction to Class & Glossary of Rubber Terminology & Intro to Rubber
Receive Textbook by Mail
- 10/21 **Lecture:** Engineering Properties of Elastomers (Part 1)
Reading Assn.: Glossary (pp.317-333) & Elastomers an Historical Perspective - Chapter 1 (pp. 1-21)
- 10/28 **Lecture:** Engineering Properties of Elastomers (Part 2)
Reading Assn.: Elastomers as Engineered Materials Part 1 - Chapter 2 (pp.27-43)
- 11/04 **Lecture:** Food for Thought – Rubber Compounding Introduction
Reading Assn.: Elastomers as Engineered Materials Part 2 - Chapter 2 (pp.43-55)
- 11/11 **Lecture:** Silicone Technology
Reading Assn.: Mixing, Calendaring and Extrusion of Rubber Part 1 - Chapter 4 (pp. 97-111)
- 11/18 **Lecture:** Print Reading, Mold Making, Molding and Processing. **Guest Speaker:** Rick Finnie – MR Mold
Reading Assn.: Rubber Compounding Part 1- Chapter 3 (pp.61-75) - Chapter 4 Part 2 (pp. 112-125)
- 11/25 **No Class** – Thanksgiving Holiday
Reading Assn.: Molding Part 2 - Chapter 5 (pp. 136-149) & Bonding- Chapter 8 (pp.219-229)
- 12/02 **Lecture:** Rubber to Metal Bonding **Guest Speaker:** Tom Martin – R.D. Abbott
Reading Assn.: Special Topics- Chapter 12 (pp.300-302)
- 12/09 **Lecture:** Rubber Fabrication, Standards, and Specifications
Reading Assn.: Overview of Rubber Materials Used in Rubber Manufacturing - Chapter 11 (pp.281-287)
- 12/16 **Lecture:** Rubber Compounding
Reading Assn.: Rubber Compounding Part 3- Chapter 3 (pp.75-91)
- 01/06 **Lecture:** Rubber Vulcanization and Formulation Troubleshooting
Reading Assn.: Tires - Chapter 10 (pp, 261-275)
- 01/13 **Lecture:** Rubber Technology behind Tire Design **Guest Speaker:** Dr. Kevin Kulbaba
Reading Assn.: Testing - Chapter 7 (pp. 195-213)
- 01/20 **Lecture:** Testing and Troubleshooting for Fabrication Processes
Reading Assn.: Testing - Chapter 6 (pp. 155-188)
- 01/27 **Graduation:** Review of Topics – **Guest:** TLARGI Chairperson

COURSE CONTACTS:

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