



RUTGERS
UNIVERSITY

Department of Materials Science and Engineering

Glass Engineering -- 150:312
Final Exam – Study Guide

Spring Term 2009

Prof. Lehman
Exam Date: Friday May 8, 2009

Notebook pages covered by exam:

Pages 104-107, 123-132, 199-207, 209-269 and 261-292

Topics covered by exam:

Gases in Glass

Glass Property Overview

Annealing and Tempering

Flat Glass Processes

- Various historical processes
- Window glass and plate glass
- The development of float glass
- Advantages of float glass
- The tin bath

Flat Glass Fabrication

- Multi-pane windows
- Reflective coatings
- Low E coatings
- Electrochromic coatings
- The overflow downdraw process

Containers

- Press and blow process
- Blow and blow process
- Lightweighting