

**14:635:360 -- MSE of Ceramics**  
**Spring 2018 Lecture Schedule**

Principal Faculty Instructor: Professor Haber

<b>Date</b>	<b>Lecture Topic</b>	<b>Lecturer</b>	<b>Book Chapter</b>
1/18/2018	Introduction and History	Lehman	2
1/22/2018	Phase Diagrams	Lehman	8
1/25/2018	Phase Diagrams	Lehman	8
1/29/2018	Furnaces	Horvath	9
2/1/2018	Shaping and Forming	Haber	23
2/5/2018	Sintering and Grain Growth	Klein	24
2/8/2018	Quiz #1 -- Haber		
2/12/2018	Sol-Gel	Klein	22
2/15/2018	Shaping and Forming	Haber	23
2/19/2018	Single Crystal Growth	Riman	29
2/22/2018	Review for Exam -- Haber		
2/26/2018	Hourly #1 -- Haber		
3/1/2018	Chemical Processes (Hydrothermal and Cements)	Riman	Lecturer Notes
3/5/2018	Surfaces	Garofalini	13
3/8/2018	Ferro and Piezo Electrics	Safari	31
3/19/2018	Thermal Behavior	Chhowalla	34
3/22/2018	Ferro and Piezo Electrics	Safari	31
3/26/2018	Quiz #2 -- Haber		
3/29/2018	Coatings and Thick Films	Garofalini	27
4/2/2018	Interacting with and Generating Light	OCarroll	32
4/5/2018	Interacting with and Generating Light	OCarroll	32
4/9/2018	Review for Exam -- Haber		
4/12/2018	Hourly #2 -- Haber		
4/16/2018	Ceramics in Biology and Medicine	Fabris	35
4/19/2018	Structural Ceramics (Boron Carbide & Armor)	Haber	Lecturer Notes
4/23/2018	Ceramics in Biology and Medicine	Fabris	35
4/26/2018	Energy Production and Storage	Amatucci	37
4/30/2018	Quiz #3 -- Haber		