**Refractory Fundamentals**

Lecture 1 – 9/16/24 definitions

Lecture 2 – 9/18/24 atomic bonding

Lecture 3 – 9/23/24 crystal structures

Lecture 4 – 9/25/24 polymorphic forms

Lecture 5 – 9/30/24 glasses

Lecture 6 – 10/2/24 phase diagrams

Lecture 7 – 10/7/24 phase diagrams

Lecture 8 – 10/9/24 phase diagrams

Lecture 9 – 10/14/24 silica refractories

Lecture 10 – 10/16/24 alumina-silica refractories

Lecture 11 – 10/21/24 alumina-silica refractories

Lecture 12 – 10/23/24 basic refractories

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Lecture 14 – 10/30/24 zirconia refractories

Lecture 15 – 11/4/24 fused cast refractories

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