

Ceramics Processing and Microstructural Development

MSE 421 Fall Semester 2021

Syllabus:

Basic principles and understanding of microstructure development and processing of ceramic materials will be addressed, with an emphasis on processing - microstructure-property relationships. Knowledge of a variety of processing methodologies and their effects on microstructural development will be gained. Geopolymer-derived powder synthesis and processing of composites. Examples of several ceramic components will be illustrated and discussed within this context.

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