

The background of the entire slide is a dynamic, stylized illustration of an explosion. It features a central point from which numerous dark blue, angular fragments radiate outwards. The background is a mix of bright red and tan colors, with white lines suggesting motion and shockwaves. The overall effect is one of high energy and impact.

Dynamic Behavior of Materials

MEEN 689, Spring 2025, 3 Credits

T/R 9:35-10:50 AM and asynchronous Distance Learning

Instructor: Dr. Marcia Cooper

A **dynamic** course on the mechanics of material deformation at high strain rates.

Learn the fundamentals of shock and detonation wave **behavior** in solids.

Explore high-rate experimental methods **of materials** characterization.