Course Content
A wide range of material will be covered including: detonation and shock wave physics, an introduction to ULTRA high-speed framing imaging, lighting and selecting lenses for the best results, triggering strategies, analysis of high-speed imagery, and more.

About this course...
A hands-on, world class short course at the Colorado School of Mines and Advance Explosive Research Group (AXPRO).

Specialised Imaging Inc., a world leader in ultra high speed framing digital imaging is sponsoring this education class with focus on experimentation techniques with explosives and ballistics. Instructors Mr. Frank Kosel and Mr. Chris Tenney. Students will be working one-on-one with instructors on specific technical problems of high-speed imagery and camera setups.

Registration Information
For registration please visit our website: http://www.csmspace.com/events/ultrahispeedimg/ For questions about registration, please contact Office of Special Programs and Continuing Education: (303) 279-5563 or space@mines.

For technical course questions please contact Dr. Vilem Petr (303)273-3232 or email: vpetr@mines.edu.

Visit our website: AXPRO.MINES.EDU

For information about camera please contact Mr. Frank Kosel (951)-296-6406 or email: info@Specialised-imaging.com

Registration
The registration type(s) and fee(s) for Ultra High-Speed Imaging Methods for Research and Experimentation are shown below:

- Regular Attendees — $2,495 (USD)
- Regular Attendees - On Site — $2,695 (USD)

Day One - Tuesday 05/24/2016
Introduction to High-speed Imaging Laboratory Safety
Lenses and Optics in High Speed Video Illumination and Light Consideration Triggering
Welcome Reception 5:30 PM Hill Hall 300

Day Two - Wednesday 05/25/2016
Introduction to 5M cameras Control Classroom Hands-on exercises Introduction to ULTRA High-Speed Motion TEMA Motion Analysis Software Post blast data analyses

Day Three - Thursday 05/26/2016
Practical Training at our Explosive Research Laboratory on Campus Practical Exercise: Group test results analyses Personal Protective equipment (PPE) is Required on Day 3

Day Four - Friday 05/27/2016
Practical Exercise: Group test results analyses using motion analysis Software Group presentation Wrap-Up (Q&A, Evaluations) Certificates

Last update: February 8, 2016