



Powder and Bulk Solids Academy: Material Properties Testing and Results Application Schedule

Day 1

9:00 am	Welcome	Kevin Solofra, Kansas State University
9:15 am	What is a property?	Kevin Solofra, Kansas State University
9:45 am	Material sampling	Kevin Solofra, Kansas State University
10:30 am	Break	
10:40 am	Particle shape Particle size distribution Material flowability properties	Kevin Solofra, Kansas State University
11:45 am	Break	
11:55 am	Segregation of materials	TBD
12:40 pm	Interactive activity	Kevin Solofra, Kansas State University
12:55 pm	Conclusion of day 1	Kevin Solofra, Kansas State University

Day 2

9:00 am	Recap from day 1	Kevin Solofra, Kansas State University
9:15 am	Density	Kevin Solofra, Kansas State University
9:45 am	Material property changes with moisture	Kali Siliveru, Kansas State University
10:15 am	Break	
10:25 am	Impact of environmental factors on properties	Dr. Raju Dandu, Kansas State University
10:55 am	Material property changes based on handling	Kevin Solofra, Kansas State University
11:20 am	Break	
11:30 am	Flow function and time consolidation testing	TBD
12:30 pm	Interactive activity	Kevin Solofra, Kansas State University
12:50 pm	Conclusion of day 2	Kevin Solofra, Kansas State University

*All times are in central time zone. Schedule is subject to change.
A final schedule will be provided to attendees on course start date.*



Day 3

9:00 am	Recap from day 2	Kevin Solofra, Kansas State University
9:10 am	Chute angle Wall friction angle	TBD
9:35 am	Dynamic flow testing	TBD
9:55 am	Material velocity	Kevin Solofra, Kansas State University
10:25 am	Break	
10:40 am	Fluidization	TBD
11:20 am	Flow additives	TBD
11:50 am	Break	
12:05 pm	Interactive activity	Kevin Solofra, Kansas State University
12:20 pm	Review and use of physical property results	Dr. Raju Dandu, Kansas State University
12:55 pm	Conclusion of day 3	Kevin Solofra, Kansas State University

Day 4

9:00 am	Recap from day 3	Kevin Solofra, Kansas State University
9:10 am	Wear and abrasion testing	Kevin Solofra, Kansas State University
9:25 am	Powder and bulk solids flow problems	Dr. Raju Dandu, Kansas State University
9:55 am	Pneumatic conveying parameters	Dr. Raju Dandu, Kansas State University
10:25 am	Break	
10:35 am	Use of properties in particulate air filtration	Todd Smith, Kansas State University
11:05 am	Combustible dust testing	Jascon Krbec, CV Technology
11:50 am	Emerging areas of study	Dr. Raju Dandu, Kansas State University
12:10 pm	Break	
12:20 pm	Makeshift testing methods	Bulk Solids Innovation Center staff
12:50 pm	Conclusion of course and evaluation	Kevin Solofra, Kansas State University

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