SHORT COURSE: FUNDAMENTALS OF TAILINGS ENGINEERING

In March 2021 the Tailings and Industrial Waste Engineering (TAILENG) Center collaborated with The Tailings Center to offer a 15-hr short course entitled *Fundamentals of Tailings Engineers* to 80 tailings professionals.

Course Metrics: excellent = 5 to poor = 1

Category	<u>Average</u>
The breadth of content covered	4.5
The pace of the course	3.6
The technical level of the course	4.0
The course material	4.1
The opportunity for discussion	3.8
The online delivery format	4.1
Overall evaluation of the short course	4.1

Strengths of the course

"... the level of technical detail and understanding of the subject & issues by the presenters"

"... course was strong overall as the instructors had very good knowledge on the topics"

"... excellent idea that different people present the different topics based on their knowledge and experience"

"... 1-hour structure allows that people pay attention and get a good first pass of every aspect"

Benefits of the Course

"... breadth of information ...
course would serve as a
great springboard into a
career in tailings"

"... fantastic introduction to the world of mine tailings and gave me a better understanding and perspective of mine tailings management"

"... course sets the road map Tailings Engineering knowledge and skill sets"

"...the online format really helped reaching people around the world"

Technical content tailored to attendees needs

Lecture 1: Course Introduction
Lecture 2: Mineral Processing
Lecture 3: Tailings Production
Lecture 4: Tailings Characteristics
Lecture 5: Tailings Continuum & Rheology
Lecture 6: Solid-Liquid Separation
Lecture 7: Tailings Dewatering, Thickening, & Filtering
Lecture 8: Intro to Tailings Geotechnics

Lecture 9: Tailings Management & Site Operations

Lecture 10: Tailings Engineering in Practice

Lecture 11: What Drives Design?

Lecture 12: Tailings Innovation & Minimization











