

Faculty Workshop Draft Agenda June 10-13, 2019

Presentations Activities	Tours Breaks
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Monday- 6:30 p.m.	Assemble at Dow Academy within the H Hotel for Welcome Dinner
6:30 - 7:15 p.m.	Appetizers/Group Photo
7:15 p.m.	Dinner and Speaker - Laura Ambrose
9:00 p.m.	Dinner ends

Tuesday

		Start	Duration
Transport from hotel		7:00	0:30
Start	Safety Information for Global Dow Center Fellows Hall	7:30	0:10
Introduction	Introduction to Dow, "A Look Back in Time" video	7:40	0:40
Presentation	Expected Outcomes	8:20	0:15
Roundtable	Attendees introduce themselves with a few words on an interesting prior experience in a chemical plant or a key item they would like to take away this week	8:35	0:15
Presentation	Introduction to Process Hazard Evaluation and Risk Analysis	8:50	0:20
Break	Refreshments provided	9:10	0:15
Presentation	Process Safety Education	9:25	1:00
Presentation	Introduction to the Workshop Example Problem	10:25	0:15
Presentation	Introduction to Flammable and Toxic Hazards	10:40	0:30
Breakout 4 Corners	Flammable and Toxic Hazards of the Workshop Problem	11:10	0:30
Lunch	Lunch brought to conference room	11:40	1:00
Presentation	Introduction to Reactivity Hazards	12:40	0:30
Presentation	Hazard Scenario Identification: based on experience and process hazard analysis	13:10	0:30
Breakout 4 Corners	Workshop Example Problem - Process Hazard Evaluation	13:40	0:30
Presentation	Introduction to Combustible Dust Hazards	14:10	0:30
Presentation	Reactive Chemical Hazards and Testing	14:40	0:30
Break	Refreshments provided	15:10	0:15
Presentation	Lab Safety	15:25	0:30
Presentation	Introduction to Safeguards	15:55	0:10
Presentation	Lines of defense: preventive safeguards - Instrumentation	16:05	0:30
Wrap Up	Wrap up	16:35	0:10
Transport to hotel		16:45	0:15
Break at hotel		17:00	1:00
Transport to dinner		18:00	0:10
Dinner	Midland Brewing Company - The Red Keg	18:10	2:20
Transport to hotel		20:30	0:10
Arrive at hotel		20:40	

Wednesday

Transport from hotel		7:00	0:30
Start	Review of Agenda	7:30	0:05
Presentation	Workshop Content Integration Across the Curriculum	7:35	0:30
Breakout 4 Corners	Breakout session: Workshop Content Integration Across the Curriculum	8:05	0:30
Presentation	Lines of defense: preventive safeguards - Human Action	8:35	0:30
Presentation	Lines of defense: preventive safeguards - Relief Systems	9:05	0:30
Break	Refreshments provided	9:35	0:15
Presentation	Lines of defense: mitigative safeguards - PPE, Containment, Vent Treatment	9:50	0:30
Presentation	Lines of defense: Fire protection systems	10:20	0:20
Breakout 4 Corners	Preventive and Mitigative Safeguards for the Workshop Problem	10:40	0:50
Lunch	Lunch provided in conference room	11:30	0:50
Video	Show CSB video: T2 Labs (optional)	12:20	0:10

Transport to plant		12:30	0:15
Start	Review Assignments During Tour	12:45	0:05
Presentation	Introduction to 303 Bldg.	12:50	0:10
Tour	Put on PPE for tour	13:00	0:20
Tour	Control Room	13:20	0:20
Tour	Tour system 1	13:40	0:20
Tour	Tour system 2	14:00	0:20
Tour	Tour system 3	14:20	0:20
Tour	Return PPE	14:40	0:10
Transport to 1897 Bldg.		14:50	0:15
Breakout 4 Corners	Recap: Update Process Hazard Evaluation of Workshop Example Problem	15:05	0:45
Presentation	The onion diagram: how safeguards become a protection strategy	15:50	0:15
Presentation	Inherently Safer Design	16:05	0:30
Wrap Up	Review of the day/schedule for the next day	16:35	0:10
Transport to hotel		16:45	0:15
Break at hotel		17:00	1:00
Transport to dinner		18:00	0:15
Dinner	Midland Country Club with speaker: Ken First	18:15	2:45
Transport to hotel		21:00	0:15
Arrive at hotel		21:15	

Thursday

Transport from hotel		7:00	0:30
Start	Review of Agenda	7:30	0:05
Presentation	Introduction to Consequence Evaluation	7:35	0:30
Breakout 4 Corners	Consequence Evaluation for the Workshop Problem	8:05	0:45
Presentation	Frequency Estimation: How Many Protective Layers?	8:50	0:30
Panel Discussion	Dow organization: Roles for new engineers and what Process Safety knowledge they require	9:20	0:45
Break	Refreshments provided	10:05	0:15
Presentation	Workshop Content Integration Across the Curriculum 4	10:20	0:45
Feedback	Class evaluation	11:05	0:15
Wrap Up	Concluding remarks	11:20	0:10
Lunch	Boxed lunch provided	11:30	1:00
Departure	Transportation to airport at 12:30	12:30	