



Agenda for Hazard and Accident Analysis

Day 1	
	<ul style="list-style-type: none"> - Introduction - Identification of Hazards <ul style="list-style-type: none"> o Hazard vs. Accident Workshop - Hazard Identification Methods <ul style="list-style-type: none"> o Hazard Identification Workshop - Integrated Safety Analysis (ISA) Scope - ISA Preparation - ISA Meetings - Overview of Hazard Analysis Techniques and Results <ul style="list-style-type: none"> o What-if Questioning
Day 2	
	<ul style="list-style-type: none"> - What-if/Checklist Analysis <ul style="list-style-type: none"> o What-if/Checklist Process - Failure Modes and Effects Analysis (FMEA) <ul style="list-style-type: none"> o FMEA Workshop - Hazard and Operability Analysis (HAZOP) <ul style="list-style-type: none"> o HAZOP Workshop
Day 3	
	<ul style="list-style-type: none"> - HAZOP Technique for Procedures - Human Factors Concepts - Event Tree Analysis <ul style="list-style-type: none"> o Event Tree Construction - Fault Tree Analysis <ul style="list-style-type: none"> o Fault Tree Construction o Fault Tree Process System Workshop - ISA Results - Facility Changes and Change Process
Day 4	Half Day
	<ul style="list-style-type: none"> - Accident Scenario Development



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	<ul style="list-style-type: none">- Failure Data Selection<ul style="list-style-type: none">o Finding Relevant Data from Generic Sources Workshop- Accident Frequency Quantification<ul style="list-style-type: none">o ISA Risk Indexing Example Workshop- Course Wrap-up and Evaluation