

MASS METROLOGY SEMINAR AGENDA 2024

First Week

Second Week

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday	Thursday	Friday	Time									
8:00	Safety - Course Intro	SOP 2 Air Density & Bouyancy Corrections TM & CM	Balances, Mass Comparators	SOP 4 Double Substitution	Cal Certs	Q&A	Q&A	Q&A	SOP 7 & 8 Cal Cert Review	Q&A	8:00									
8:30												Calibration Reports	8:30							
9:00	Traceability							SOP 29 Uncertainties, Effective degrees of freedom	SOP 5 (3-1)	SOP 5 (3-1) Large Mass with Tare	SOP 8 Modified Substitution	SOP 7,5, 8 Measurement Assurance and Uncertainties (w/ equation comparisons)	FINAL EXAM	9:00						
9:30																			9:30	
10:00	Mass Procedures - Overview w/ Modeling, MA, U		Intro to Mass Spreadsheet w/ Software V&V														10:00			
10:30																	10:30			
11:00			Block Exercise II								11:00									
11:30											11:30									
12:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	12:00									
12:30											12:30									
1:00	Physics of Mass Msrments Block Exercise I	Weight Handling , Work Flow	Intro to Mass Spreadsheet	SOP 4 Double Substitution	SOP 4 w/o ABC	SOP 5 (3-1)	Finsh SOP 5 Cert Review	SOP 7 Single Substitution	OPTIONAL NIST lab Tour Force Group	Exam review	1:00									
1:30																		1:30		
2:00		Kit Delivery and Msrmnt Set up	SOP 34 Drift & Sensivity								SOP 1 Calibration Certs - Part 1 (lecture)					Other Mass topics & Wrap-up	2:00			
2:30																		2:30		
3:00	Lab Design & Monitoring SOP Enviro Reqs	Weight Specs (and homework)	SOP 4 Double Substitution (Demo, Tare, sw, calc)	SOP 9, 30 Measurement Assurance Control Charts		Control Chart Evaluation	RE-DO Measurement , Calibration Certs	RE-DO Measurement s, Control Chart Eval, & Calibration Certs	Supplier Eval. SOP 1 - Part 2	All docs turned in	3:00									
3:30																	3:30			
4:00													SOP 4 Calibration Certs Review				Control Charts	Instructor Time / AAR	4:00	
4:30																				4:30
5:00															Q&A				Put weights away	5:00