

	Day 1 - Monday Jordan Room	Day 2 - Tuesday Jordan Room	Day3 - Wednesday Jordan Room	Day4 - Thursday Jordan Room	Day5 - Friday Jordan Room	Day6 - Saturday Jordan Room
0715-0730						
0730-0800	Doors Open - Welcome	Review of Day 1 (Q&A)	James Gleason Boat Ramp 4325 NE Marine Dr, Portland, OR 97211	Execution: - Communications - Safety Discussion - Project Plan	Execution: - Communications - Safety Discussion - Project Plan	Review of Day 4 (Q&A)
0800-1015	Course Introduction Systems & Software Overview	Acoustic & Sonar Theory	- Vessel Review - Safety Afloat - Sensor Placement - Cabling	- Full System Setup/Verification - Data Logging Checks - Sonar Setup	- Full System Setup/Verification - Data Logging Checks - Sonar Setup	Data Processing - Data Management - File Types - Pre-Process (Tides, SOS, PPK)
1015-1030	Coffee	Coffee	BYOC	- INS Alignment Procedures	- INS Alignment Procedures	Coffee
1030-1200	Project Requirements System Specifications	Acoustic & Sonar Theory	- Offset Measurements - General Readiness Discourse	- Patch Test - Quick PT - Quick Data Review - Commence Survey	- Patch Test - Quick PT - Quick Data Review - Commence Survey	- Sensor Data Review - Adjusting Geodesy - Processing Patch Test - Processing Performance Test
1200-1245	Lunch	Lunch	Lunch On-Site	Lunch - During Survey	Lunch	Lunch
1245-1445	Building an MBES Kit	Applied Theory	- Acquisition Software Setup - Interfacing & Configuration - 3D positioning RTK/PPK or ... - Squat - Group Exercise	- Engineering Survey - Completing the Survey Survey Ends at 14:00 - GNSS/INS Theory	PPP/PPK/RTX Processing & Analysis	- Bathymetry Data Processing & Export
1445-1455	Exercise Break	Exercise Break	Exercise Break	Exercise Break	Exercise Break	Exercise Break
1455-1700	GNSS Corrections-INS Theory Geodesy & Datums Water levels	Error Budgeting	Project: Survey Planning	GNSS / INS Theory of Operation PPP/PPK - Applanix MMS Must end/vacate by 1630	Tides/Waterlevels Processing Sound Speed Profile Processing	- SideScan Process & Mosaics - Snippets Process & Mosaics - Watercolumn Processing - Course Review
After Hours	TBD	TBD	THSOA - WCC	TBD	TBD	TBD