

	Day One	Day Two	Day Three
	CGA classroom	Lake Wheeler field & CGA classroom	CGA classroom
9:00 – 12:30	MODULE 1 <i>Before you buy</i> <ul style="list-style-type: none"> • What is a UAS? What can a UAS do? Why do I need a drone? (intro to UAS – types, descriptions, uses; navigating payloads and sensors) • How do I choose a drone? (drone buying guide – types, factors, limitations) • Presentation of the systems (fixed wing vs. rotary wing) 	MODULE 4 <i>Flight mission</i> <ul style="list-style-type: none"> • Site evaluation • Risk assessment • UAS pre-flight • UAS operations • Post-flight 	MODULE 7 <i>Imagery processing – Practice session</i> <ul style="list-style-type: none"> • Introduction to Agisoft software • Processing step-by-step (Software, workstations and sample data will be provided, but you may also work with your own laptop and data.)
1:30 – 3:30	MODULE 2 <i>Before you fly</i> <ul style="list-style-type: none"> • Can I fly my drone? (rules, regulations) • Do I need a certificate? If so, how do I obtain one? 	MODULE 5 <i>UAS data</i> <ul style="list-style-type: none"> • I've completed a flight – now what? (intro to UAS data) • Why do I need to process the pictures? (basics of spatial data and aerial photogrammetry) 	<ul style="list-style-type: none"> • Processing step-by-step (continued)
3:45 – 5:30	MODULE 3 <i>Preparing a flight mission</i> <ul style="list-style-type: none"> • How do I fly to obtain the data I need? (photogrammetric process – main concepts) • How do I plan a flight? (software options, instructions, practice) • Where and when can I fly? (weather and terrain conditions) • How do I fly safely? (check lists and best practices) 	MODULE 6 <i>Imagery processing</i> <ul style="list-style-type: none"> • What are my options for data processing? (options, environments, constraints) • Setting the processing workstations and data (Agisoft PhotoScan installer) 	MODULE 8 <i>Processing outputs</i> <ul style="list-style-type: none"> • Reading and analyzing the processing outputs (GIS and visualization solutions) MODULE 9 <i>Resources</i> <ul style="list-style-type: none"> • Online resources, tips for solving future UAS issues, Q&A