



HDT Grant Schedule

2024 Cohort



WHEN	16 Dec Mon 14.00-17.00 UTC	17 Dec Tues 9:00-17:00 UTC (max 8 hrs as needed)	18 Dec Wed 14.00 -17.00 UTC	19 Dec Thurs 9:00-17:00 UTC (max 8 hrs as needed)	20 Dec Fri 14.00-17.00 .00 UTC
FORMAT	Virtual (Google Meet Link)	Homework	Virtual (Google Meet Link)	Homework	Virtual (Google Meet Link)
TOPICS & ACTIVITIES	<p>Topics:-</p> <ul style="list-style-type: none"> - Intro to CyArk Presentation (Liz/John). - Fundamentals of Photography - Equipment Discussion, - Intro to Site Scoping. 	<p><i>-Use your photography skills to find and document 2-3 small spaces for our photogrammetry activity on Thursday.</i></p> <p><i>- Send pictures to CyArk for feedback.</i></p>	<p>Case Study:</p> <ul style="list-style-type: none"> - Overcoming fieldwork challenges at Wupatki (CyArk Field Team) <p>Topics:</p> <ul style="list-style-type: none"> - Review of Photo Scoping Exercise and Site Selection - Photogrammetry Part I (Terrestrial Basics) - Data Management 	<p><i>Capture, organize, and share photogrammetry data.</i></p>	<p>Topics:</p> <ul style="list-style-type: none"> - Review Photogrammetry Activity #1 - Photogrammetry Part II (Advancing Your Skills Interiors, Details, Floors & Ceilings)
OUTCOMES	Actively engage; Apply and understand basic photography principles.	Apply photography skills effectively and think critically about site selection.	Pick Thursday's exercise site. Learn photogrammetry techniques and data management.	Successfully capture your site using photogrammetry and keep your data organized.	Develop a fundamental understanding of photogrammetry and basic concepts.

Holiday Break
See you in 2025!



WHEN	6 Jan Mon 14.00-17.00 UTC	7 Jan Tues 9:00-17:00 UTC (max 8 hrs as needed)	8 Jan Wed 14.00-17.00 UTC	9 Jan Thurs 9:00-17:00 UTC (max 8 hrs as needed)	10 Jan Fri 14.00-17.00 .00 UTC
FORMAT	Virtual (Google Meet Link)	Homework	Virtual (Google Meet Link)	Homework	Virtual (Google Meet Link)
TOPICS & ACTIVITIES	Topics: - Delve into Sensor Fusion - RealityCapture Workflow - Pre-Processing in CaptureOne	<i>In your preferred workspace, align your first components in RealityCapture.</i>	Topics: - Advanced Reality Capture - 3D Mesh Generation, Optimization, Texturing, and UV Unwrapping Techniques. Case Study: - Artifact Capture Techniques in Ukraine (CyArk Field Team)	<i>Refine your alignment, build your first mesh model, and try adding textures. Follow the lesson steps or check the Wiki for help.</i>	Topics: - Focus on Mesh Editing/Model Cleanup. - Questions Case Study: - Conservation Applications (Kacey Hadick)
OUTCOMES	Grasp sensor fusion; develop software skills. Prepare photos for Wednesday's session.	Align components efficiently to merge into a master component ready for 3D reconstruction.	Master advanced functionalities within RealityCapture.	Enhance optimization techniques and refine model geometry.	Clean-up and edit models effectively; seek clarifications as needed.

WEEK 3 - Final Review, Sketchfab & Other Outputs, & Project Presentations



WHEN	13 Jan Mon 14.00-17.00 UTC	14 Jan Tues 14.00-17.00 UTC	15 Jan Wed 14.00-17.00 UTC	16 Jan Thurs	17 Jan Fri
FORMAT	Virtual (Google Meet Link)	-	-	Virtual (Google Meet Link)	Virtual (Google Meet Link)
TOPICS & ACTIVITIES	<p>Topics:</p> <ul style="list-style-type: none"> - Finalize Reality Capture sessions: address last queries, refine models, review the process, and discuss data outputs. <p>Case Study:</p> <ul style="list-style-type: none"> - <i>Storytelling Possibilities (Whitney Peterson)</i> 	-	-	Trainee Presentations and Feedback	Trainee Presentations and Feedback