

The Sedgeford Historical and Archaeological Research Project



Photogrammetry Course Information

Introduction

This course will provide an introduction to the theory of photogrammetry, how the process works and how best to take photographs to yield the best results. The course will be a combination of theoretical lectures followed by practical application of the techniques. The course will continue to contribute to the wider project research aims, either working to record standing remains in and around the churchyard or our collection of archaeological finds.

The SHARP Malting and Brewing Course is a **one-day** intensive course, **taking place on Sunday**.

What will be covered during the course

- Theory of photogrammetry
- Camera settings and taking photographs with photogrammetry in mind
- Software used, and conversion of photographs to 3D images
- Practical experience using participants cameras (or borrowing site cameras), the nature of this depends on those attending, the weather and team availability
 - Church yard and church
 - Finds from the archaeological excavations

Timetable

On arrival, please make your way from the car park to the main marquee, find a seat and take in the atmosphere on site before the site notices takes place. You are welcome to help yourself to tea/coffee in the marquee on arrival. Our team will try and greet you on arrival in the marquee but as there is usually a lot going on first thing in the morning this is not always possible. You will however be introduced to your tutor during the site notices at 8.15am. If you are delayed and arrive after the morning site notices, please go to the information hut where a team member will bring you to the teaching area.

8.15 am	Site notices- Daily meeting for allocating work, reading notices, everyone (even those staying off-site) please be onsite by this time as there can be important health and safety notices.
8.30 am	Introductory lecture, probably to take place on site, this will also include an introduction to the photogrammetry recording system.
10.30 – 10.50 am	Tea break

	First photography session
12.30 – 1.30 pm	Lunch break
	Second photography session
3.15 – 3.35 pm	Tea break
	Final photography session, followed by examination and discussion of the data collected, recording of data collected and also time for any last questions
5.00 pm	End of day

Poor weather conditions

Sometimes the British weather means that we have to make changes to experiences. Recently we have suffered more from high temperatures, and in these cases, we adapt the working day to ensure people are safe with longer breaks. However, in extreme cases, such as nationwide heatwaves or very wet weather we will not let people on the excavation site. This is unlikely to impact on day courses such as this, as we adapt the courses to fit the weather. However, if you are travelling far and are unsure whether the poor weather predicted will affect your day please contact SHARP via bookings@sharp.org.uk or the site phone number that will be provided closer to the season itself (and will be on the website).

What to bring

Everyone who attends needs eating vessels and cutlery for lunch and tea breaks (although if you forget we can provide some from the kitchen). You will also need to ensure you bring clothing and footwear suitable for the countryside. Here is a checklist of things to cover.

	Plate and bowl
	Cutlery
	Cup/mug
	Appropriate clothing for the weather
	Decent footwear – the field has areas that have nettles so sandals are worn at your own risk
	Insect repellent – we are close to a river so get mosquitos
	Sun cream – there is little shelter on the site
	Hat

The aim of the course is for participants to be able to carry out photogrammetry using devices they own, so for the course we also recommend you bring the following. We will have some equipment that can be borrowed but please let us know if you will need anything, as we have limited numbers to lend.

	A camera (preferably a DSLR or mirrorless, cameras lenses from 20-200mm should work, although variable zoom is better!) or alternatively students could use their phones.
	If using cameras a high capacity (16GB+) SD cards (best to bring a spare!).

	If students have them to download pictures, and process them.
	A notepad and pen (waterproof A5 pads are always a good shout) as field notes are essential.