

UR – ARCHAEOLOGY, TECHNOLOGY, AND HISTORICAL STRUCTURES  
UG – ARCHAEOLOGY AND HERITAGE STUDIES



UNIVERSITY of  
ROCHESTER

First announcement – 26 October 2016

-- NEW IN 2017 --



UNIVERSITY OF GHANA

UR-UG SUMMER 2017 FIELD SCHOOL IN

DIGITAL ARCHAEOLOGY OF HERITAGE  
BUILDINGS OF WEST AFRICA



28 May 2017 – 1 July 2017

**Directors:** Prof. Renato Perucchio (UR) and Prof. Kodzo Gavua (UG)

**Program faculty:** Professors R. Perucchio (UR), K. Gavua (UG), M. Jarvis (UR), W. Gblerkpor (UG)

**Program Fee:** \$4,950

**Academic Credits:** 6 credit hours provided by the University of Rochester. Students will register for the (to be established) UR summer course Digital Archaeology of Heritage Structures of West Africa (no pre-requisites)

Contact: Prof. Perucchio at [rlp@me.rochester.edu](mailto:rlp@me.rochester.edu)

**DIGITAL ARCHAEOLOGY OF HERITAGE BUILDINGS OF  
WEST AFRICA – Ghana 28 May 2017 – 1 July 2017**

**Objectives for Summer 2017:** The field school is designed to attract North American, Ghanaian, and international undergraduate and graduate students in the humanities, social sciences, and engineering interested in acquiring a multidisciplinary advanced training on surveying, digital modeling and engineering evaluation for the study and conservation of heritage masonry buildings of West Africa. The study will focus on the Elmina Castle, the most prominent of the UNESCO World Heritage monuments of Ghana. The school will be open to heritage professionals. The objective is to introduce the students to the principles of engineering structural diagnostics of heritage masonry buildings with the aim to produce a systematic survey (manual, photogrammetric, laser scanning) of select areas of Elmina Castle and related digital reconstructions. The school will also foster the understanding of the historical environment, and in particular the pivotal role in the Transatlantic World, of Elmina Castle through study visits to other forts and castles in coastal Ghana. In addition, the school will offer a broader view of the country's natural and cultural heritage through guided visits to selected archaeological sites and national parks. There are no pre-requisites.

**What is included:** The **\$4,950** program fee includes the UR tuition for 6 credit hours plus all lodging, meals, local transportation, and fees to parks and museums in Ghana. Airfare to Ghana, required vaccinations, entry visa to Ghana , and personal expenditures are not included.

**Travel grant:** All students will be eligible to apply for a **\$500** travel grant to offset the cost of airfare.

**Interested UR students:** This is a small program, open to all UR students, but with a limited number of participants. Interested students should contact Prof. Perucchio as soon as possible.

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**DAILY ACTIVITIES (tentative) - Ghana - May 28 - July 1, 2017**

w	date	place	Activities - morning	Activities - afternoon
1	28-May-17	Legon	arrivals	
	29-May-17	Legon	orientation to Ghana - historical background (KG)	visit to Museum in Legon and to campus (KG,WG)
	30-May-17	Legon	lecture (RP - statics)	visit to historical Accra and Museum (KG,RP)
	31-May-17	Legon	lecture (RP - materials)	lecture (KG - survey)
	1-Jun-17	Legon	lecture (RP - structures)	lecture (KG - survey)
	2-Jun-17	Legon	visit Fort Usher, James, and Cristianborg (KG,RP)	local visits and shopping in Accra
	3-Jun-17	Legon	site visit and lecture to Krobo Mountain and Shai National Park (WG,RP)	
2	4-Jun-17	Legon	lecture (RP - structural failures)	review of assignments (RP,KG)
	5-Jun-17	Elmina	move to Elmina	reconnaiss. of Elmina Castle and Fort St.Jago (KG,RP)
	6-Jun-17	Elmina	lecture (RP - visual assessment)	lecture (KG - survey)
	7-Jun-17	Elmina	manual survey and visual assess. (RP,KG,WG)	data processing and prelim. evaluation (RP,KG,WG)
	8-Jun-17	Elmina	manual survey and visual assess. (RP,KG,WG)	data processing and prelim. evaluation (RP,KG,WG)
	9-Jun-17	Elmina	site visits and lecture to Fort Amsterdam and Capecoast (RP,KG)	
	10-Jun-17	Elmina	manual survey and visual assess. (RP,KG,WG)	intermediate revision and global assess. (RP,KG,WG)
3	11-Jun-17	Elmina	lecture (Introduction to photogrammetry and laser scanning: data acquisition and processing - MJ)	
	12-Jun-17	Kumasi	travel to Kumasi and lake Bosumtwi	
	13-Jun-17	Kumasi	site visits and lectures to Kumasi (vernacular architecture, museums ) (KG,RP)	
	14-Jun-17	Kumasi	site visits and lectures to Kumasi (vernacular architecture, museums ) (KG,RP)	
	15-Jun-17	Kumasi	return to Elmina	
	16-Jun-17	Elmina	rotations between manual survey, photogr. and laser scanning (MJ,KG,WG)	
	17-Jun-17	Elmina	rotations between manual survey, photogr. and laser scanning (MJ,KG,WG)	
4	18-Jun-17	Elmina	data processing lab work (MJ)	intermediate revision and global assess.(MJ,KG,WG)
	19-Jun-17	Elmina	rotations between manual survey, photogr. and laser scanning (MJ,KG,WG)	
	20-Jun-17	Elmina	visit to Kakum National Park	
	21-Jun-17	Elmina	data processing and preliminary evaluations (lab work - KG,WG)	
	22-Jun-17	Elmina	manual survey and visual assessment (KG,WG)	data processing and preliminary evaluation (KG,WG)
	23-Jun-17	Elmina	manual survey and visual assessment (KG,WG)	data processing and preliminary evaluation (KG,WG)
	24-Jun-17	Elmina	final revision and global assessment (RP,KG,WG)	
5	25-Jun-17	Elmina	site visits and lectures to fort Patience - Apam (KG,RP)	
	26-Jun-17	Legon	visit to Ada - swimming in the ocean	
	27-Jun-17	Legon	final report preparation (RP,KG,WG)	
	28-Jun-17	Legon	final report preparation (RP,KG,WG)	
	29-Jun-17	Legon	presentations and conclusions (RP,KG,WG)	
	30-Jun-17	Legon	local visits and shopping in Accra	
	1-Jul-17	Legon	Departures	

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