Semester II

Course code : ARCH 22424
Course title : **Computer Application in Archaeology**
Type : **Core**
Pre requisites : **None**

Learning Outcome:
Students will obtain comprehensive theoretical and pratical knowledge on the computer application in various aspects in Archaeology by this course.

Content:
A basic introduction in to the computer and its capabilities. A brief study on the history of computer application in archaeology. A comprehensive theoretical and practical training on aspects on data recording, storage, retrieval analysis and interpretation using various soft wares. Mapping, surveying and reconstruction of archaeological sites, monuments and objects by computer devices specially using photo shop, auto CAD, GIS and GPS techniques.

Teaching and Learning Methods: Practical training, lectures, seminars and discussions
Scheme of Evaluation: 60% of written examination 40% for practical examinination.

Recommended Readings:

01.	Baxter, M.J.	(1994)	*Exploratory Multivariate Analysis in Archaeology,* Edinburgh university press, London.
02.	Burrough, P.A.	(1986)	*Principles of Geographic Information Systems,* Oxford university press, Oxford.
03.	Chapman, Henry	(2006)	*Landscape Archaeology and GIS, Tempus,* Gloucester-shire
04.	Klinger, Kristin	(2008)	*E-Learning Methodologies and Computer Application in Archaeology,* Information science reference, London.
05.	Lock, Gary and Kayt Brown (eds.)	(2000)	*Theory and Practice of Archaeological Computing,* Oxford university press Oxford.
06.	Lock, Gary and John Wilcock	(1987)	*Computer Archaeology,* Aylesbury, Shire.
07.	Mehrer, Mark W. and Konnie	(2006)	*GIS and Archaeological Site Location Modelling,* Taylor and Francis, London.
08.	Reilly, Paul and Sebastian Rahtz	(1992)	*Archaeology and Information Age,* Rutledge, London.
09.	Richards, J.D. and N.S Ryan	(1985)	*Data Processing in Archaeology,* University of Cambridge, Cambridge.
10.	Wheatly, D. and M. Gillings	(2002)	*Spatial Technology and Archaeology: The Archaeological Application of GIS,* Taylor and Francis, New York.