

**Course code** : ARCH 42424  
**Course title** : Ancient Technology  
**Type** : Core  
**Pre requisites** : None

**Learning Outcome:**

Students will be given an adequate knowledge on key concepts and methods in ancient technological studies and thorough understanding about the various aspects of ancient Sri Lankan technology specially, in comparison with South Asian technologies and possibility of applied archaeological approach is given a special attention.

**Content:**

Technology and human society. Techno culture. Explaining the invention and diffusion of technology in the world. Methodologies for understanding ancient technology. Experimental archeology. Applied archaeology. Significance of ancient South Asian technology. Prehistoric tool technology in Sri Lanka. Stone technology of historical periods. Pottery technology Iron and steel technology. Technological aspects in construction of traditional houses and storage facilities. Technology of masonry works. Landscaping and gardening technologies. Technologies associated with traditional art and craft including masks, brass, textile, Jewellery, laksha, weaving; vory, wooden works and so on. Technological aspects of ancient and traditional medicine. Traditional methods connected with subsistence strategies such as agriculture, animal husbandry, fishery and hunting.

**Teaching and Learning Methods:** Lectures, field study, laboratory work

**Scheme of Evaluation:** 80% of written examination 20% for assignment

**Recommended Reading:**

01. මංගල හිමි, ගොඩගම (1994) ග්‍රාමීය තාක්ෂණ, සංස්කෘතික කටයුතු දෙපාර්තමේන්තුව , (සංස්.) කොළඹ.
02. මුදියන්සේ, නන්දසේන (1981) ලාංකීය ශිල්ප ශාස්ත්‍ර ග්‍රන්ථ, සාහිත්‍ය: මහාචාර්ය සෙනරත් පරණවිතාන අනුස්මරණ කලාපය, රජයේ මුද්‍රණ දෙපාර්තමේන්තුව, කොළඹ.
03. Bandaranayake, S (1994) *Further Studies in Settlement Archaeology of Sigiriya .and Mats Morgen Dambulla Region*, PGIAR, Colombo.
04. Brohier, R.L. (1980) *Ancient Irrigation Works in Ceylon*, Ministry of Mahaweli development, Colombo.
05. Coles, J.M. (1979) *Experimental Archaeology*, Academic press, London.
06. Coomaraswamy, (1950) *Medieval Sinhalese Art* , Pantheon book New York. Ananda
07. Erickson, Clark (1992) *Applied Archaeology and Rural Development*, Stewart Anthropological Society.
08. Peter, James and (1995) *Ancient Inventions*, Ballantine books. Nick Thorpe
09. Scarr, Charis (ed.) (2005) *The Human Past: World Prehistory and Development of Human Societies*, Thames and Hudson, London.
10. Siriweera, W.I (2009) *Tradition and Livelihood: A Study of Traditional Practice and Technologies in Agriculture, animal Husbandry, Irrigation and Fisheries*, National Science Foundation, Colombo.