



TAYLOR'S UNIVERSITY

Wisdom • Integrity • Excellence

SCHOOL OF ARCHITECTURE, BUILDING & DESIGN

Modern Architecture Studies in Southeast Asia Research Unit (MASSA)

Bachelor of Science (Honours) (Architecture)

METHODS OF DOCUMENTATION AND MEASURED DRAWINGS [ARC 1215]

Prerequisite: None

Project: 3

Report & Video on Measured Building

30% of final marks

Video Presentation: 2 March 2014

Report Submission date: 2 March 2014

Introduction

The report is a document that accompanies the set of drawings for the building that is measured during the semester. Basically, the report will elaborate on the significance of the building being measured from various aspects such as architectural, historical and cultural. In this report, students are required to relate the architecture of the building to its significance, highlighting how the two support the inhabitation of the building. A video documenting the building is required to provide 3D experience of the building.

Objectives of Project

The objectives of this project are as follows:

- To documents the significance of the building to accompany the measured drawings
- To enable students to analyse the relationship between architecture and the significance of the building as well as its inhabitation

Learning Outcomes of this Project

- Explain the application of architectural historic documents
- Describe architectural cultural heritage
- Elaborate the relationship between architecture and the significance of the building as well as its inhabitation

Tasks - Methodology

Within the same group for the measuring exercise, students are required to prepare the followings;

- a. **Report (about 3000 to 6000 words)**
- b. **Video**

a. Report

Students are allowed to study the building from various aspects as outlined below,

Approach A – Research on History and Architecture

1. Historical information and architecture of the building
 - a. Introduction
 - b. Ownership
 - c. Changes and development of the building
 - d. Original design idea; relationship between function and space (interior and exterior); the form; orientation; ornamentation; and the related influences
 - e. Construction methods and materials used
 - f. An insight (as a conclusion) on the other examples of buildings of the same typology; or its surrounding context (in terms of architecture); or specific matter related to the physical condition or the future of the building studies

OR

Approach B – Research on Culture and Architecture

1. Information on the Culture (Way of Life) of the Residents and its Relation to Architecture
Students are to collect all the information and analyse how the buildings occupants' way of living are reflected in the architecture of the house

Possible areas of research

- i. The relationship between a family structure and the architecture of the building
- ii. The house structure and its relationship with all the spaces
 - The design and planning of spaces such as bedrooms, prayer rooms, function area, working area, storage area, bathrooms, kitchen and main entrance
 - The use of furniture
 - The use of site, design and layout of other amenities such as well, gazebo, lawn, fencing etc.
 - Orientation and location in relation to the site
- iii. The relationship between everyday living and the architecture of the building
 - The daily activities of its occupants
 - The role of the housewife and the head of the family
 - The child-rearing techniques
 - The family activities relating to entertainment, religious belief, culture
 - Culture of inheritance
 - The way each family members (the elderly, the adult, the children) and guests are entertained
- iv. The architecture and its material
 - The building material
 - The use of material in relation to the climate
 - Material handling techniques
 - Decorative elements on the building, fences, gates
 - Measuring and dimensioning techniques
 - The custom of building a house
 - The taboo, superstitions and beliefs that dictate the house design

Students are allowed to combine some of these research areas should the building that you are studying has a combination of all these aspects

The data and information for this report may be obtained from (but not limited to) interviews, local library, local authorities, heritage societies, archive, museum etc. The arrangement for this study should be planned and made by the students prior to your site visit. Each group will be given a research letter as proof of your identity and being a Taylor's University student doing this coursework.

b. Video

A 3 to 5 minutes video is required to contain one of these categories:

1. History and Architecture
2. Culture and Architecture

Submission Requirement

a. A Report (3000 to 6000 words)

- 2 copies of A4 report in landscape orientation
- 3 CD to include the soft copy of the report, the presentation slide, the presentation recording, 50 photos of the building (captioned) and the video. Please insert it in a plastic casing with a printed cover with the group info.

The format of the report

- i. Cover page with Taylor's University logo
- ii. Declaration of submission
- iii. Acknowledgement
- iv. List of figures / plates / illustrations
- v. Table of content
- vi. Introduction to research – to include abstract and methodology
- vii. Chapter One – Introduction to the Building
- viii. Chapter Two onwards may be laid to suit your research areas
- ix. Final Chapter – Discussion and conclusion (of what the group has gained from the exercise)
- x. The complete set of drawings scaled to A4 landscape
- xi. Glossary or terminologies
- xii. Reference / bibliography
- xiii. Appendix (if any)

Marking criteria

Marks shall be distributed as follows:

- **Report (3000 to 6000 words)** **20 marks**
 - *In depth study and appropriate writing structure and referencing (10)*
 - *50 building photos - captioned and clearly annotated highlighting location and condition (10)*
- **Video** **10 marks**
 - *Relevance and clarity of content (5)*
 - *Verbal and visual presentation / Language (5)*

Suggested References

1. Marks, Stephen. 1996. *Concerning Buildings*. U.K. Architectural Press
2. Arnold, Dana. 2002. *Reading Architectural History*. London. Routledge
3. Radford, W.A. 2002. *Architectural Details and Measured Drawings of Houses in the Twenties*. Dover Publication
4. Strikes, James. 1994. *Architecture in Conservation: Managing Development as Historic Sites*. London. Routledge