



TAYLOR'S UNIVERSITY

Wisdom • Integrity • Excellence

SCHOOL OF ARCHITECTURE, BUILDING & DESIGN

Research Unit for Modern Architecture Studies in Southeast Asia

Foundation of Natural Built Environment (FNBE)

Elements of Natural Built Environment **ARC30105**

Prerequisite: None

Lecturers: Ms Delliya, Pn Hasmanira and Miss Iffa

Project Two: Built Environment

Better Cities of the Future – Pamphlet & Model Representation

20% Individual Work + 20% Group Work

Presentation Part A (Individual): **Week 13 - 15th May 2015**

Presentation Part B (Group): **Week 18 - 19th June 2015**

Introduction

The character of a city will relate back to topics investigated in Project One. Every city will need to sustain itself. Just like any living environment, **the city is unique and very alive**. It grows, it populates, it requires food, it requires energy, it needs to move, it needs shelter, and it needs protection and defense system, which are very similar to the natural environment.

The best way to understand a city is to explore and investigate a city first hand. Every city is different yet the heart of every city is the people and their activities. In this final project, students will investigate about **past, present and future city**. With the information collected students are required to propose the future city. The **future city should focus on the needs of the people, the facilities, infrastructures, and how it will sustain itself in the future**.

To plan for the future we should refer to the past. Great cities such as Jericho, Rome, and Babylon existed thousands of years before we were born. They were the largest cities in the world, and arguably the epicenters of human civilization. These cities led mankind to new heights of culture and commerce, though in the end each of them was surpassed and some of them destroyed. **We should learn from history to achieve a better future city**.

Cities have been called the **highest forms of social organization**. Think of the complexity of road systems, transportation, building, laws, markets, business centre, sports events, food distribution, educational systems, sanitation, utilities, land usage, housing and etcetera. But that complexity didn't spring up over night. It is the result of long years of human development.

People live, work, and have fun together in many different kinds of communities. A city is a large community, home to many people; a town is a small community; a suburb is a community located outside of a city; and a neighbourhood is a small community that consists of the people and buildings near home. **The relationship between the city, town, suburb and neighbourhood is greatly interrelated**.

Cities need lungs for breathing, basically well-maintained open, green, public spaces. The city as a physical composition involves interaction between these man-made and natural components. Basically, **a city consists of spaces for human activities and interactions**. It creates identity to a certain city.

Overcrowding in cities causes problems with waste disposal, health and pollution. There are other significant urban problems as well, among them violence, crime, drugs, and the over-consumption of energy and other resources. Most of these problems affect not only the city itself but the countryside and often the entire world. In short, **cities contain within them the key challenges facing our civilization**.

There are two sides of a city, the positive and the negative, the promise of success and the threat of disaster. We may never be able to create a perfect city, but we can certainly make improvements. **A great city is a city that is sustainable and liveable**.

Objectives of Project

The objectives of this project;

1. To expose the elements of the natural and built environment in their basic unit, form and function
2. To show symbiotic relationship of the elements of the natural and built environment
3. To question, analyse and articulate the impact between natural and built environment

Learning Outcomes of this Project

On successful completion of this subject, students will be able to demonstrate the following:

1. To describe the different characteristics of the natural and **built environment by exploring the basic elements such as natural topography, landscape, space, building and infrastructure**.
2. To differentiate and compare the **different development of the built environment by looking at the natural topography, landscape, space, building and infrastructure**
3. To analyse and evaluate the different development of the **built environment by looking at the natural topography, landscape, space, building and infrastructure**
4. Understand how to **communicate ideas through observation and using different media/tools/techniques to present information of the study of natural and built environment**

Tasks - Methodology

1.0 Introduction:

The idea of this project is to understand the component and elements of a city and what makes a better future city. This final project is divided into two parts.

Part A [*individual component 20%*] – An **A4 pamphlet** and a progress report compilation.

Part B [*group component 20%*] – **A2 presentation and a model**.

Part A is an individual component to investigate and understand the content related to “**city**” and “**the build environment**” plus to **propose a better future city by preparing a pamphlet**. Part B is a group component, to produce a physical model of the selected city and maximum 3nos of A2 board presentation to explain further about the selected city.

Students are required to bring the tutorial progress sheet for every tutorial session and to bring the printed brief at all time.

2.0 “X” City Guidelines:

Each student will have to pretend that they are the mayor of the “X” City. The people in “X” city require a new city because of reasons that it no longer liveable or because it’s just too crowded. As a mayor you will need to propose a new layout for the new “X” City very quickly. As this is just a class project, we will need to establish certain conditions and rules as follows;

2.1 As an exercise the propose city is a small size city. The size of the proposed new city should be smaller than Subang Jaya (70 km²). **Therefore the new propose city should be between 30 - 50 km².**

2.2 The population is between 100,000 – 250,000. (The population of Subang Jaya is about 710, 000.)

2.3 The people of “X” City are Malaysian and the location of the city will be in Malaysia with Malaysian settings and environment.

2.4 You should create a new name for “X” City.

2.5 As a group you may chose one of the following; (do decide as a group)

- i. An underground city (or in a cave)
- ii. An underwater or floating on water City (at sea or saltwater wetlands)
- iii. An underwater or floating on water City (fresh water wetlands)
- iv. A city that blends in the forest (Swamp Area etc)
- v. A city in the Air (or sky scraper city or in the mountains)

2.6 When planning for the city, whether it is for the individual or group component, students are required to consider and include the followings;

- i. The geometric shape, form, pattern, hierarchy, system and structure of the city.
- ii. The aim of the city, the green approach, new waste management, new technology, business plan, new initiatives etc.
- iii. The main focus of the city; such as the square, garden, monuments, town hall, pavilion, civic building, axis and vistas.
- iv. The zoning of the city. (government buildings, business area, commercial areas, recreational areas, education areas, religious and cultures areas, hospitals, services area, industrial area, residential, community area, port and shipping area, forest and green areas, agriculture area, hospitality and tourism etc)
- v. The people, population, social issues, activities, food distribution, crime, security, education, culture and religion.
- vi. Transportation and networking.
- vii. Infrastructure, utility, services and amenities. (Energy, water, waste etc.)
- viii. Sustainable initiative and climate change consideration and resilience etc.
- ix. Other services (such as police, army, economy, security, technology etc)

3.0 Part A: (Individual 20%) – Submission 15th May 2015

As the mayor of the “X” City you are required to produce a **folded pamphlet** to promote the new city development. You will first need **to understand what a “city” is, its development and history, components and elements of a city.** The investigation, collection of data, case study information, mind maps and analysis, draft sketches, exploration and planning will be submitted as an additional **A4 process journal compilation** as evidence to show that you did your research and to support your ideas.

Basically individually each student will be submitting the following;

- a. **An A4 size folded pamphlet** – to promote the new “X” city (from an A1 folded into an A4 - minimum 1 set and maximum 3 sets)
- b. **An A4 size process journal report compilation** - to compile documents (information collected, draft sketches, draft ideas and planning etc.

NOTE: When seeking information and designing the city do refer to item “2.6” from item 2.0 “X” City Guideline.

3.1 An A4 size folded pamphlet – to promote the new “X” city

- 3.1.1 Students are required to do investigation on ancient & old cities, present cities and future cities. Find definitions, categories of cities etc. Collect data that will help you to understand about the components and elements of a city. Eventually this will help you to plan for the “X” City.
(like case study)
- 3.1.2 Investigation, collect data and understand the type of city and **the environment** that your group have selected. You will then design a city for that particular environment and type of location therefore you need to understand the situation of your site.
- 3.1.3 Look into documents, article, guideline and issues regarding planning a better future city.
- 3.1.4 And finally after doing a comprehensive investigation on the three items above, you are required to produce a brief proposal for the “X” City through diagrams, existing images, some sketches and illustration. It would be great to have plans or 3d view of the proposed city.
- 3.1.5 The pamphlet is a promotional pamphlet trying to explain about the good thing about the new “X” City. Key information you will need to provide are;
 - a. Brief information about the new “X” city approach, the aims of the new city, the name of the city, the location of the city, the green approaches applied to city, new initiatives, technology and other information that makes it a better city to live in. You may add other supporting information such as culture, economic etc. – text and supported by images.
 - b. Discreetly provide 2 example city that you refer to and how, what and where are you implementing it in the new “X” City.
 - c. **Provide a master plan drawing of this new town.** Preferably to scale to show how the city works and zonings of areas. You can provide images to support whatever you are proposing. Basically to make the new “X” City appealing and the future occupants understand how the city will be like.

3.2 An A4 size process journal compilation - to compile documents

- 3.2.1 Students are required to compile systematically all the investigation information, data collection, case study information, mind maps and analysis, draft sketches, exploration and planning information in an A4 size report like document.
- 3.2.2 This process journal compilation is almost similar to the scrapbook journal except that this journal will document the process of collecting data and the process of creating a city.
- 3.2.3 The process journal documents should be in proper sequence and labelled properly. It requires a cover, a content page, a basic introduction of what you are doing and the information collected. You will need to provide all the references, website links, images links etc. in this compilation. Please use the template provided.

4.0 Part B: (Group 20%)- **Submission & Presentation 19th June 2015**

After submitting the pamphlet and process journal, each group is required to make a model of the selected “X” City and prepare 2-3 A2 presentation board and an A2 size model of the chosen city. **The chosen city will be decided by the lecturer.** As a group, students may do some alteration, improvement and further research and exploration on the selected “X” City to make it an even better city and better presentation.

- i. **THE MODEL** – The physical model should be a representation of the group’s “X” City proposal.
- ii. **A2 PRESENTATION BOARDS** - In groups students are required to demonstrate and illustrate the important information about the proposed “X” City. Please refer to the “X” City Guidelines. Students may prepare this presentation board as a normal presentation board or as an info graphic poster or a promotional poster advertising a new development. What is important is the proposed content that relates to the proposed “X” City.

Submission Requirement

Part A:- Individual

The "X" City Pamphlet – Submission 15th May 2015 – Week 13

- The pamphlet is folded from an A1 size paper. You may use any type of paper. Minimum one pamphlet and maximum 3 pamphlets as a series (if necessary). You may design the pamphlet in any way you like however it must be an A4 size folded pamphlet folded from an A1 size paper.
- The pamphlet should contain information as mention above.
- The pamphlet should be concise and simple with informative information, diagrams, descriptions, plans, section, illustration, images, annotation and labelling.
- The pamphlet information about the new city should be well structured and clearly presented. Student may prepare this document using digital software or handmade. (will accept neat collages)
- You may use any images online however please write the source in the Process Journal Report. You are not required to draw everything from scratch. You may trace or do a photo montage to convey the ideas of how you would like your new city to look like.
- After submitting students are required to upload their pamphlet to their E-portfolio.
- Please bring the brief and tutorial progress sheet for every tutorial.

A4 Process Journal Report Compilation – SUBMISSION 15th May 2015 – Week 13

- The A4 process journal report should contain information as mention above and to follow the given report format and template.
- Students must use the given template for guidance. Student may edit the font, structure and layout with approval from the lecturers. You may design your own cover and use any kind of paper.
- The report should be concise, simple, well structures. Just include all the raw materials you do not to rewrite. However label and create tabs for you documents.
- Students may prepare this compilation digitally or handwritten.
- The compilation must be comb bind or wired bind. (black, white or transparent only)
- After submitting students are required to upload their pamphlet to their E-portfolio.

Part B: Group Work

The MODEL – PRESENTATION & SUBMISSION – 19th June 2015

- The size of the model should not exceed A2 size board as the base. The height should not exceed 600mm. There is no minimum size.
- Students are required to **use recyclable materials** to make the model. It would be great if you could use daily items as model material such as bottle caps, straws etc. Less material is better but with different colour and sizes. Do get advice from your lecturers regarding the scale, colour and materials for the model. However students are encouraged to look for inspiration first.
- Please prepare a casing for the model for storage purposes and safety during construction and exhibition.**
- Please label your model with you group members name, lecturer's name, batch and Taylor's University logo. (Digitally prepared)
- You are given 5 minutes to give a verbal presentation about your city as a group.**
- Please document the process, the final product and the presentation session and upload it on your E-portfolio.

A2 Presentation Board – PRESENTATION & SUBMISSION – 19th June 2015

- a. Students may use any type of presentation board. Maximum 3 A2 boards..
- b. Students may produce it digitally or by hand or as a collage. The information must be clearly presented, presentable and information must be well structured. Drawing must be to scale and label accordingly.
- c. Please document the making process and the final product and up load it on your E-portfolio.
- d. The presentation board should contain the information as stated above in the task and guideline information.

All sketches, research, planning, discussion to be placed in The Journal Note Compilation and E-Portfolio individually. It's the responsibility of every student to make sure they record the process and their work.

Assessment and Marking criteria

The assessment for this assignment will be based on;

PART A: 20% - Individual Work

- Depth, appropriateness and importance of information in the process journal report 25%
 - Suitability, originality and depth of ideas and content proposed for the “X” City 50%
 - Originality, creativity and quality of illustration, layout, the design and workmanship of the pamphlet 25%
- (20%) total: 100%**

PART B: 20% - Group Work

- Depth, appropriateness and importance of information, ideas and content as explained on the boards, verbally and demonstrated on the model. 40%
 - Originality, creativity and quality of illustration, layout, the design and workmanship of the presentation boards 30%
 - Originality, creativity and workmanship of the model 30%
- (20%) total: 100%**

NOTE: PLEASE BE INFORMED THAT INDIVIDUAL COMPONENTS IN GROUP WORKS IS EVALUATED BASED ON PEER EVALUATION AND INSTRUCTOR'S EVALUATION ON INDIVIDUAL PERFORMANCE OF A GROUP MEMBER.

Suggested References

1. <http://www.library.cornell.edu/Reps/DOCS/gerard.htm>