

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

The graduation plan consists of at least the following data/segments:

Personal information	
Name	Xingxing pan
Student number	4383761
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Studio	
Name / Theme	Complex Project/Border- El Paso
Teachers / tutors	Stefan de Koning , Tanner Merkeley
Argumentation of choice of the studio	Thinking and searching in a bigger scale, interested in learning the method of dealing with complex situation

Graduation project	
Title of the graduation project	Bridging the Gap_Border Region Vocational School Design
Goal	
Location:	Ciudad Juarez
The posed problem,	Mexico has poor education background including high drop rate in secondary school level, education resources are shortage such as teachers and school buildings. People who are lack of skills can only get informal jobs like street vendors without insurance or good income.
research questions and	My research questions is how to solve the problem that many Juarez student can't get good public education in the city but have to cross the border to study in American schools? How can help people in Juarez overcome the skill gap as well as improve their living quality? What is different when design the school for students of USA and Mexico? How can the border effect architecture design? How does my project help with changing the living situation of Juarez's citizens?
design assignment in which these result.	Based on research of education situation and infrastructure distribution in the city, together with field trip research, I decide to design a vocational school located on the border which also play a role of community center to feedback the low income community. The school serves both student from US and Mexico, and also serve citizens of neighborhood. The

	design is also emphasize on redefining the border, exploring the meaning and manifestation of national border.
<p>This should be formulated in such a way that the graduation project can answer these questions. The definition of the problem has to be significant to a clearly defined area of research and design.</p>	
Process	
Method description	
<p>The design is based on a strong theoretical framework that will be gained by doing intensive research, mapping and site analysis. Information including interview and photos are gathered in the field trip. Graphs and diagram drawings helps to present research. Essay reading and official website data searching is also necessary. In the design process, physical models and 3D models are used to help with special thinking. Case study help to learn typology and program setting. The software often used includes Auto Cad, Illustrator, In Design, Photograph and Rhino, Sketch Up, etc.</p>	
Literature and general practical preference	
<p>In the process of research stage, I referred to the following papers and books: Books/Articles on Informality (worldwide):</p> <ol style="list-style-type: none"> 1. Directorate-General Communication; Attitudes towards vocational education and training;2011 2. Estudio sobre la oferta laboral en Mexico; Primer Semestre 2013 3. Madhu Singh; School Enterprises: Combining Vocational Learning with Production; UNEVOC 4. Mexico Demographics Profile 2014 5. Education and Inequality in Latin America; Worldfund https://worldfund.org/en/about-us/education-gap.html 6. Raul R. Legasip; Investing in Higher Education in Mexico; March 2010 7. Negrete Rodrigo Prieto and Gerardo Parra Leyva; The <i>Ni/Vis</i> in Mexico: a critical approach to measurement; International Journal of Statistics and Geography; Edition: Vol.4 No.1 January-April 2013 	
Reflection	
Relevance	
<p>Border Issue is always an interesting and serious topic. Unlike Europe, the border between USA and Mexico is not only a national boundary but also a line to divide two types of living style. Economy, policy, culture, social typology are all different just at different side of the border. How to deal with the border issue reflects our social opinion and architectural thinking towards the border. When zooming into building scale, the border has rich meanings, it is not only tangible but also perceptual. When I try to design the school with students from different countries I see people's behavior are affected by border situation. Start from the national scale and gradually focus on building scale through researching urban scale is also a challenge during design process.</p>	
Time planning	

01.09.15-15.09.15 Basic framing of the thesis topic undertaking initial research
16.09.15-30.09.15 Initial readings and basic mapping of infos.
02.10.15-17.10.15 US Mexico border trip, gather as much information as possible
18.10.15-15.11.15 **P1 Present:** present initial reseatch, draw basic conclusions.
16.11.15-15.12.15 Spacial analyzing by models and promoting proposals.
16.12.15-31.12.15 Formulating basic floor plans and urban scaled designing
01.01.16-17.01.16 **P2 Present:** Fine drawings of a relatively finished design accompanied with diagrams and sketches.
17.01.16-15.02.16 Continue doing data collection and dig deeper into the design
16.02.16-15.03.16 Design exploration
16.03.16-15.04.16 **P3 Present:** Presentations of sketches, plans and sections and overall design strategies
16.04.16-15.05.16 Began designing structural details
16.05.16-15.06.16 **P4 Present:**
16.06.16-30.06.16 **P5 Present:** Preparation for final presentation