Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences
### Graduation Plan: All tracks
The graduation plan consists of at least the following data/segments:

<table>
<thead>
<tr>
<th>Personal information</th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Student number</td>
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<tr>
<td>Telephone number</td>
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<td>Private e-mail address</td>
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<thead>
<tr>
<th>Studio</th>
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<tbody>
<tr>
<td>Name / Theme</td>
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<tr>
<td>Teachers / tutors</td>
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<tr>
<td>Argumentation of choice of the studio</td>
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<tr>
<th>Graduation project</th>
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<tr>
<td>Title of the graduation project</td>
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<td>Goal</td>
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<td>Location:</td>
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<td>The posed problem,</td>
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| research questions and design assignment in which these result. | Research questions:
What architectural intervention would help to bind the two cities together? Can the market play the crucial role as social cohesion in border cities’ urban texture?

Urban complex buildings with rapid connection system in the twin cities.
The main goal would be integrating the segregation between migrants and local people and improve the competitiveness in tourism in Cd Juarez, through a new typology of market-transportation mixing design that could be a useful model in dealing with border situation. |

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**Process**

**Method description**

The thesis will be based on a theoretical framework and will be gained through literature study, case study, mapping and site analysis. The research will consist of two parts: the first part is understanding and mapping the El Paso and Juarez’s border condition and design environment, which included the site research, border trip and data collecting; the second part is studying cases of market and transportation, and analysis the new typology that can fit in the current situation. Both the onsite research and cases study could help to figure out how the possible solution and strategies for border problems.

**Literature and general practical preference**


Mercat dels Encants, b720, Barcelona

1111 Lincoln Road, Herzog and de Meuron, Miami

grotão fábrica de música, Urban Think-tank, Sao Paulo

**Reflection**
Relevance
A new typology for the intervention in existing border city can reflect the crucial debate on the topic of infrastructure in urban context. The infrastructure in the city could become the social generator in the city while the flexible program could benefit the city for a long term. After all, cities with relevant border problems could be helped by this typology to achieve a positive urbanization future.

Time planning
MSc 3
Week 1
- Introduction
- Research/readings on the theme
Week 2-5
- Research on architectural fascination
- Research on possible topic and architectural fragment study
- Research on border area
- Border Atlas
Week 6-7
- Trip to US-MEX border
Week 8-9
- Processing all information from trip
- Finalizing Border Atlas
- Defining position
Week 10
- 6 November: P1 presentation
Week 11-15
- Creating masterplan
- Defining location
- Research on individual interest
- Arguments on position
- Defining program
Week 16
- 18 December: Pin-up (P1.5)
Week 17
- Revision masterplan
- Zoom in on site
- Start on architectural building concept
Week 18
- Pin-up on architectural drawings (masterplan, site, building)
- Revision site plan
- Revision building concept
- Preparing P2 presentation
Week 19
- 18 January: P2 presentation

MSc 4
Week 1
- Research revision at local and border scale
- Programmatic needs, adjusting program
- Schematic layout of program in site context
- Integration to the master plan/neighborhood

Week 2
- Building program redefinition / analysis
- Detailed outline of program and sizes
- Adjacency diagrams/ accessibility study
- Routing diagrams (pedestrian vehicle)

Week 3-7
- Schematic Design
- Building form, site integration
- Accessibility, arrival/ departure
- Spatial and programmatic qualities
- Design development
- Development of details
- Basic concept of materials

Week 8
- P3 PRESENTATION (proposed date)

Week 9-13
- Design refinement
- Technical details
- Presentation drawings and models
- Production of presentation drawings and models

Week 14
- P4 PRESENTATION (proposed date)

Week 15 - 19
- Design refinement and revision
- Production of models and drawings
- Making of the research book

Week 20
- P5 PRESENTATION (proposed date)