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**Fundamentals**

**IRREGULAR GRID DESIGN**

Second Year:
Fundamentals of Urbanism

Instructor:

Date:
December 2019

Partner:

- **Contribution:** Drawing of street infrastructure, creation of 3D model, organizing presentation boards
- Programs: AutoCAD, SketchUp, VRay, Illustrator, Photoshop, InDesign
- Street layout given, fictional site
- Design of building form, land use, open space
- Understanding of street composition and the relationship between buildings
- Design of public space (plaza)
- Design of pavilion

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**Figure Ground Land Use**

**Rendered Plan**

**STATISTICS**

- **TOTAL AREA:** 202,630m²
- **NET FSI:** 2.6
- **GROSS PPH:** 548
- **NUMBER OF RESIDENTIAL UNITS:** 2244
  - Townhouses: 136
  - Stacked Towns: 168
  - Apartment Units: 1940
- **GROSS AREA OF RETAIL:** 33,500m²
- **GROSS AREA OF OFFICE:** 118,000m²
- **GROSS AREA OF OTHER USES:** 50,000m²

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**FOREST/HAMILTON**

Zacharie Forest & Arden Hamilton

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**Single family residential (singles & towns)**

**Multi-unit residential**

**Mixed residential & commercial**

**Mixed commercial & other non-residential (hotel/office)**

**Parks & public open spaces**

**Surface parking lots**

**Libraries**

**Pavilions**

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**Figure Ground**

**Land Use**
Plaza

Eye-level Perspectives

Pavilion
Concepts

BARRHAVEN TOWN CENTRE

Third Year:
Urbanism on the Periphery
Instructor:

Date:
December 2020

- **Individual Work**
- Programs: AutoCAD, Rhino, VRay, Illustrator, Photoshop, InDesign
- Existing site in our own city
- Highlighting the marginalized and abandoned
- Imagining a new, collective urban future for Ottawa
- Heritage, community, ecology
- Use of the palimpsest
Applications
SANTA FE MIDTOWN CAMPUS

Third Year:
Urbanism in the Core
Instructor:

Date:
April 2021
Team:

• **Contribution:** Input on overall site layout, design of the ‘Core’ district, creation of diagrams
• Programs: AutoCAD, Rhino, Lumion, Illustrator, Photoshop, InDesign
• Creation of a new urban centre for Santa Fe, NM
• Integration of the whole city, physically and culturally
• History, conflicting interests, poor infrastructure
• Enhancement of the quality of life
Core District

Eye-level Perspective (South-East)

Perspective (South-West)
Details

SHAPING COMMUNITY:
THE AVENUE DE LAMARCHE NEIGHBOURHOOD

Fourth Year:
Comprehensive Studio
Instructor:

Date:
December 2021
Partner:

• Contribution: Urban design, design of ‘Le Gardien’, organizing final presentation boards
• Programs: AutoCAD, Rhino, Lumion, Illustrator, Photoshop, InDesign
• Working on a real-world site
• Direction and feedback provided by the developer ‘Lépine’
• Mid-rise residential (2000 units)
• From the city scale to the building component scale
• Interplay between creative ideas and realisable objectives
Le Gardien

Site Plan Key Map

Zone 4 Key Map

North Rendered Elevation

West Rendered Elevation

Eye-level Perspective (South-West)

Section Perspective (East)