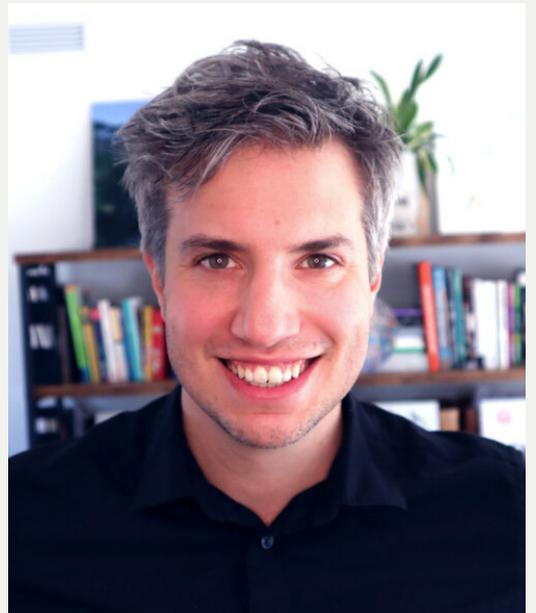


# Advanced Revit Family Strategies

Cohort-Based Course

Cohort #2

March 20th to  
April 5th 2023



*NICOLAS  
CATELLIER*

# What is this course?

Advanced Revit Family Strategies is a cohort-based course. The course focus on helping users create a strong, lean and reliable library of Revit families.

## Key points:

**Cost:** \$800 USD

**Date:** March 20th to April 5th 2023

**Schedule:** Mondays and Wednesdays, 1:00 - 3:00 PM EST

**Sessions:** 4x live sessions + 2x Q&As

**Limit:** 30 students maximum

**Instructor:** Nicolas Catellier

## Transformation:

At the end of this course, students will be able to develop strong and flexible Revit families using advanced strategies such as arrays, formulas and nesting.

The techniques learned in this course will help students create lightweight and efficient families, leading to faster and more reliable Revit models.

Students will develop a user-friendly library that is well-documented and easy to understand by all users.

## **Pre-requirements:**

This is **not** a beginner's course. You should be familiar with these concepts:

- Create reference planes inside a family.
- Assign dimension parameters.
- Model a parametric extrusion.
- Modify type and instance properties.

## **Discipline:**

This course focuses on the principles and strategies to develop great Revit families. The principles apply to all disciplines. However, most examples presented will be related to architecture and design. There will also be some examples of structural families.

No families presented will be specific to MEP (such as ducts and piping).

## **The course includes:**

- 4x interactive live sessions
- 2x Q&A sessions
- PDF resources & guides
- Family modeling challenges & exercises
- Family-creator community

All zoom sessions will be recorded and available for replay.

# Schedule

## Module 1 - Strategies for the Family Editor

Monday, March 20th, 2023

1:00 - 3:00 PM EST

- Produce a coherent system of reference planes, reference lines, parameters and dimensions in the family editor.
- Execute a family-starting protocol to ensure all new families are constructed with the best practices.
- Save time and become more efficient with tips and tricks to master Revit's family editor interface.

## Module 2 - Deploying Arrays & Formulas

Wednesday, March 22nd, 2023

1:00 - 3:00 PM EST

- Dissect the benefits, pitfalls and tactics of arrays for families made of repetitive elements.
- Compose flexible formulas to automate your families and avoid mundane tasks.
- Combine arrays, dimensions, formulas and parameters to create powerful & lean content.

## **Module 3 - Deciphering Nested & Shared Families**

Monday, March 27th, 2023

1:00 - 3:00 PM EST

- Learn the power of nested families to avoid modeling the same elements again and give users more choices.
- Integrate shared families to save time while providing data-rich information that can be scheduled in Revit models.
- Combine the nested/shared families with arrays and formulas to develop families serving as automated systems.

## **Module 4 - Preparing the Family for the End-user**

Wednesday, March 29th, 2023

1:00 - 3:00 PM EST

- Adopt “fail-safe” techniques to prevent families from breaking, making them easier to use by the end-users.
- Learn how to document families with concise instructions to ensure your collaborators quickly understand the content.
- Adopt advanced techniques such as “container files” to facilitate the presentation & education to the end-user.

## **Optional Q&As**

Monday April 3rd, 2023

1:00 - 3:00 PM EST

Wednesday, April 5th 2023

1:00 - 3:00 PM EST

The goal of the q&a sessions is to explore additional problems that can be solved with high-level Revit family strategies. Users will be able to share their family issues. Some specific family categories (such as doors and windows) will be explored during these sessions.

## **Benefits of the cohort:**

In this cohort, students will interact with a community of like-minded peers and content creators. With access to the exclusive community, users can share and get help from the other students and the instructor. Users get 1 hour of private family counseling session with the instructor.

## **Weekly time required:**

For the first two weeks, students can expect about 5 hours of work, including 4 hours in live sessions + 1 hours of preparation and work on the family challenges.

The final week is to catch up, complete the challenges and ask questions.

# Testimonials from cohort #1

Average rating: 9.5/10

*« Nick is a fantastic teacher, and the course was really interesting and complete for the short time it lasted. I hope Nick keeps doing more. »*

**Paula Rama, Architect | Project Collaborator at /slantis**

*« Amazing course with a lot of tips and tricks shared. »*

**Josip Komadina, BIM Technician at DCT**

*« Thanks Nick. The course was excellent. Great content, examples, tips and tricks, and a lovely engaging atmosphere. Would highly recommend. »*

**Hazel Nicol - Senior Structural Technician**

*« This is a helpful course for a transition from a beginner to an advanced user and family creator. »*

**Simon Vezina, Structural BIM Manager at Stantec**

## About the instructor:



### **Nicolas Catellier** **Architect + BIM Specialist**

Nicolas is the founder of [revitpure.com](https://www.revitpure.com), a learning website and YouTube channel that helped more than a million people become better Revit users.

Nicolas worked at Atelier 21 Architects for 9 years, where he helped the firm transition from AutoCAD to Revit and trained the entire team. In 2021, Nicolas started his own consulting firm called BIM Pure Productions, where he works with a wide variety of clients in the AEC industry.

Nicolas spoke at multiple conferences, including BILT and Autodesk University, where he won a best-rated class award.

He also teaches advanced BIM courses at Limoilou College in Quebec City and hosts the “Revit Pure Live” show on YouTube.

## **How to enroll:**

Enrolment are now open.

<https://maven.com/bimpure/advanced-revit-family-strategies>

## **Any questions?**

Send an email to [nick@revitpure.com](mailto:nick@revitpure.com). All your questions regarding this cohort will be answered.