META-META Club

METAMETA CAMPUS, SETI · SYLLABUS

XR for the Built Environment

Plan → Model → Walkthrough → AR.

Pro studios | Pro studio | Hybrid · Nairobi + remote | 6 weeks · ~4h/week | 4 modules · 16 lessons | Cohort dates TBA

OVERVIEW

XR for the Built Environment

The Virtual is Real pipeline for architecture and property: from a floor plan to a model, a walkthrough and AR. Built on real briefs.

WHAT YOU SHIP
A Quest 3 configurator or a shareable floor-plate web viewer

Outcomes

- Run the Plan → Model → Walkthrough → AR pipeline end to end
- Bring BIM, ArchiCAD and IFC files into a real-time scene
- Build an interior configurator for Quest 3
- Stage a floor plate and share it in a web viewer

Tools

BIM · ARCHICAD · IFC · BLENDER · UNITY · META QUEST 3 · THREE.JS WEB VIEWER

Format

TRACK Pro studios	LEVEL Pro studio
FORMAT Hybrid · Nairobi + remote	DURATION (COURSE-DESIGN ESTIMATE) 6 weeks · ~4h/week
LESSONS 4 modules · 16 lessons · ~11.2 h of lesson time	COHORT DATES TBA

TEACHING
Mathew Munyao + expert bench: names announced with the first cohort

Try it first at a Metameta Night

- Week 6: XR for the Built Environment: Plan → Model → Walkthrough → AR

Curriculum v1 · refined with the first cohort. Titles are working titles; minutes and durations are course-design estimates, not a schedule.

CURRICULUM

Module by module

MODULE 1 · 6 LESSONS · ~2.9 H · 5-QUESTION QUIZ

The pipeline

Plan → Model → Walkthrough → AR, and where BIM fits.

#	LESSON	TYPE	TIME
1.1	Plan → Model → Walkthrough → AR	READ	25 min
1.2	BIM, ArchiCAD and IFC	READ	30 min
1.3	Demo: the BIM/ArchiCAD pipeline and a floor-plate web viewer	LIVE	25 min
1.4	Build-along: a floor plan turned into a shareable walkthrough	LAB	55 min
1.5	Critique: walkthroughs	LIVE	25 min
1.6	Ship it: a walkthrough link	PROJECT	15 min

MODULE 2 · 4 LESSONS · ~2.4 H · 4-QUESTION QUIZ

Interior configurator on Quest 3

XR spec module 1: a configurator a client can try in the headset.

#	LESSON	TYPE	TIME
2.1	The real brief	READ	20 min
2.2	Build walkthrough	VIDEO	45 min
2.3	The AI prompts used	READ	20 min
2.4	Extension task	XR	60 min

MODULE 3 · 4 LESSONS · ~2.8 H · 4-QUESTION QUIZ

Floor-plate staging and web viewer

XR spec module 2: stage a floor plate and share it as a link.

#	LESSON	TYPE	TIME
3.1	The real brief	READ	20 min
3.2	Build walkthrough	VIDEO	40 min
3.3	The AI prompts used	READ	20 min
3.4	Extension task	PROJECT	90 min

MODULE 4 · 2 LESSONS · ~3 H · 4-QUESTION QUIZ

AR on site

Put the model on a real table or plot with WebXR AR.

#	LESSON	TYPE	TIME
4.1	Place the model in AR	XR	60 min
4.2	Ship: configurator or web viewer	PROJECT	120 min

How to join

Start the self-paced lessons on metametaclub.com/learn, and join the waitlist for the hybrid cohort on metametaclub.com/school/xr-built-environment.

Every module comes with a printable workbook and a practice quiz. Lessons have audio narration and a transcript on metametaclub.com.