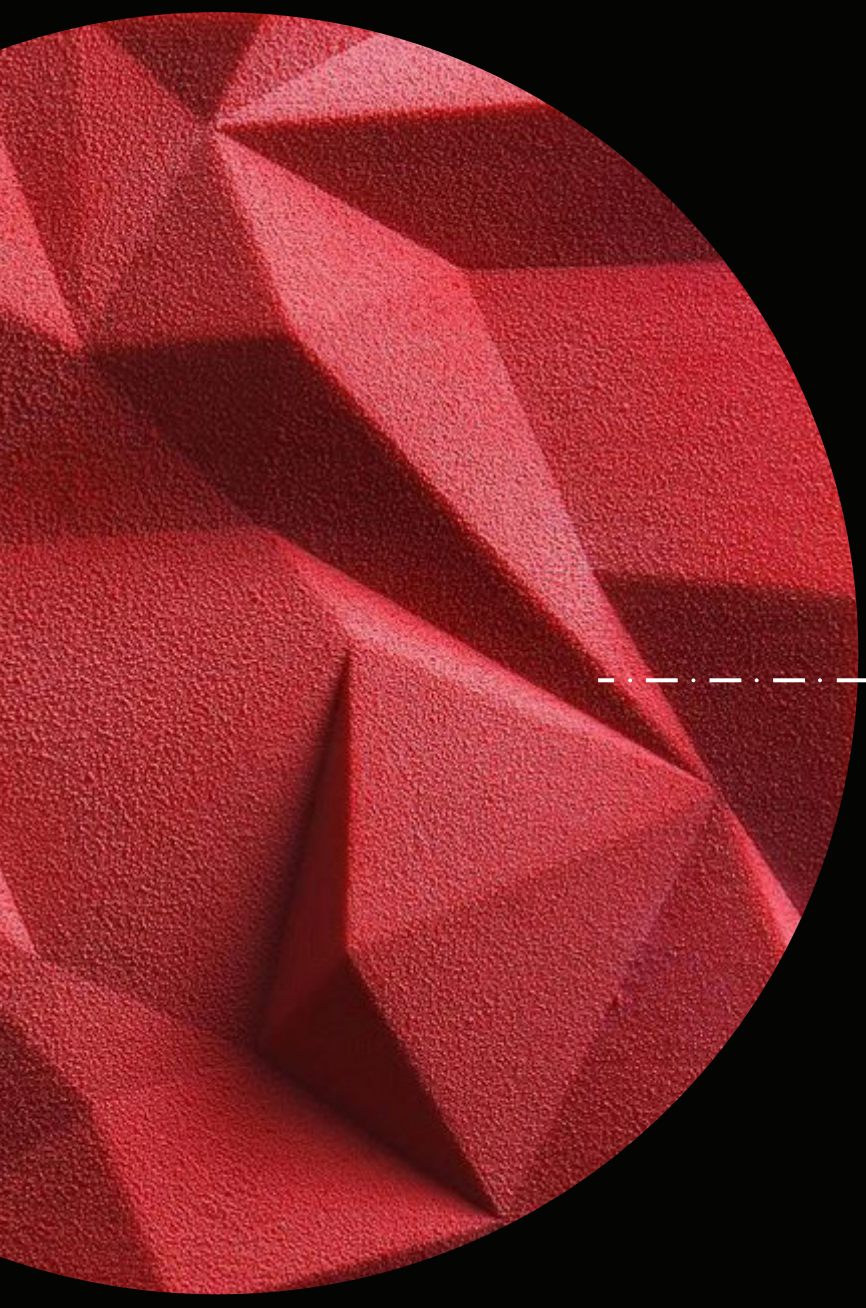
COMPUTED CAKE 4.0

rethinking buildings materials through cooking

161.508

UE Design of specialised topics

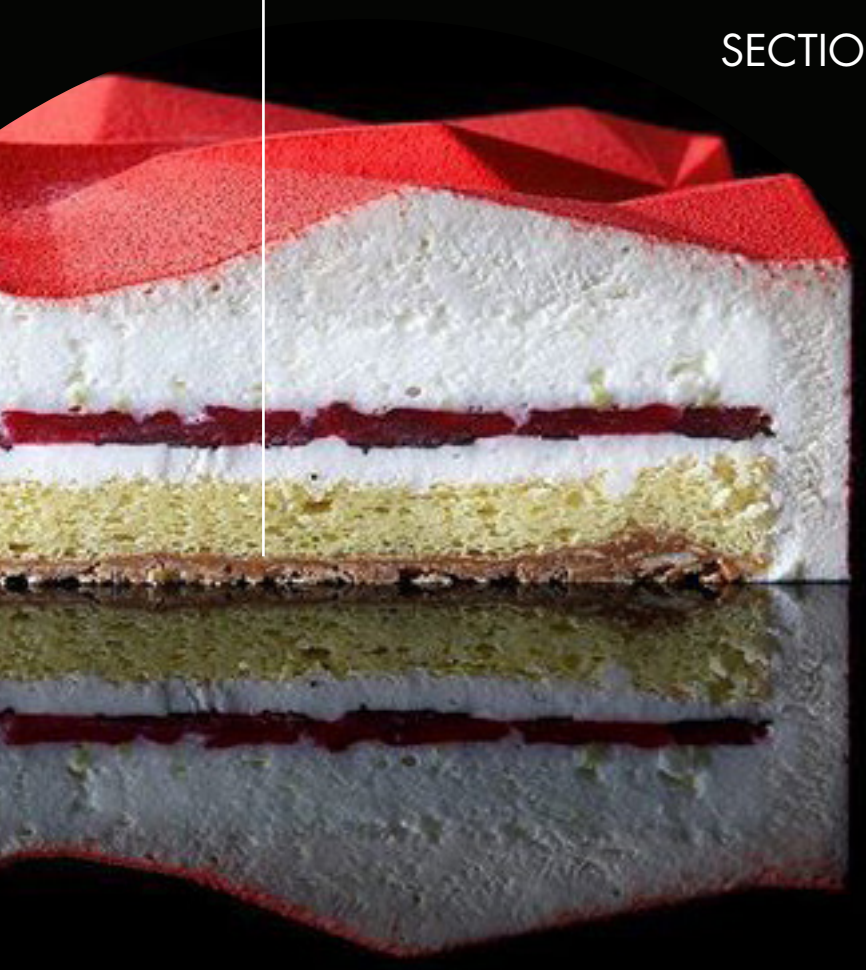


COVERING
20mm of backed foam

SEPARATION LAYER
3mm composite matrix

STRUCTURAL ELEMENT
10mm shortcrust with additives

SECTION A-A



presentation: 02.03.2023, 10:00, HS I

Rethinking new building materials starts with using local products and combining them in unexpected ways. Can we think about building materials in the context of our daily activities and manufacturing processes? How can we learn from cooking and combine it with parametric design and digital fabrication processes such as 3D printing, vacuuming, laser cutting, CNC milling,.... ? How can we use the creative possibilities of architects in design? In this course, the theory and methods of parametric design methods will be explored and connection to current rapid prototyping methods will be tested.

Students will work on cooking projects using parametric and design methods. For each digital design, a strategy for digital fabrication will be developed, appropriate tools will be designed, and the „taste" will be translated into bespoken artwork.

COUSE LEADERS:
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Felix Dokonal

BACHELOR COURSE SS 2023
161.508 Ue Compulsory course

I OI III

.IAM Shape Lab
.Institute of Architecture and Media