HALF SEMESTER COURSE 2 "Skyscrapers"	Credits: 8	in cooperation of Dept. of PUBLIC BUILDING DESIGN and Dept of MECHANICS, MATERIALS & STRUCTURES
Instructors: Zoltán SCHRAMMEL DLA Dr Péter VÁRKONYI		Responsible: Dr Ágnes GY. BALOGH Vice Dean
Course type		Practical interdisciplinary design course – Lectures, team consultations, common presentations and evaluation in English – according to the timetable

TIME TABLE AND TOPIC SCHEDULE

TUESDAY, THURSDAY

week	TUESDAY	THURSDAY
1. Apr 5,7	Introduction of instructors and students General information Design task	Consultation of masterplan ARCHITECTURE COMPETITION SKYHIVE *Skyscraper Challenge* Edition No 5
2. Apr 12,14	Student presentations: masterplans Forming groups	Spring break
3 Apr 19,21	Spring break	Lecture: architecture + Consultation
4. Apr 26,28	Student presentations: concept plans + references	Lecture: structutral systems of skyscrapers + consultation
5. May 3,5	Consultation	Student presentations: preliminary plans
6. May 10,12	Consultation	Consultation
7. May 17,19	Final presentation and evaluation of completed projects How to complete the competition	

- **Grading:**
- The final grade will be established as the result of the personal and team work of the student at home. The presentations and uploaded works will be graded according to the following:

  masterplan: 20%
  midterm presentations 10+10%
  final presentation: 60 %
  (innovative level of ideas, conformity to functional and stuctural rules, quality of presentation from point of view of clarity, phantasy and content)
  Grades: 0-49 %   failed   (1)
        50-62 %   passed   (2)
        63-75 %   satisfactory   (3)
        76-89 %   good   (4)
        90-100 %   excellent   (5)

- **Way of completion:**
- - active participation in online consultations with home-prepared stuff
- - submission/upload and presentation as detailed before
- - result is published during a common discussion after the course

Short description

Wether or not Budapest needs highrise buildings have been in the focus of hot debates for decades. By now, this debate is largely over as in 2022, the city will have its first 100m+ high building completed. In the present course, we would like to deal with the design challanges of SKYSCRAPERS by working on a live architectural competition SKYHIVE issued by BEEBREEDER. Student teams (max 4 members) will design new skyscrapers in an interesting part of Budapest, which may accommodate a collection of highrise buildings.

During the first week of the semester, a masterplan has to be developed individually, and the teams will be selected by these entrance design competition of the class. Then, each group will focus on the design of one individual building. We will focus on the services, the spaces, and the structural systems as ONE UNIT of those buildings:

- How can one serve a highrise builsing in terms of traffic connections, parking, and internal traffic
- What kind of spaces will be formed inside the building and how?
- Which structural system can serve these goal the best?
- What kind of new innovative elements can be added to the design?

Introduction of the competition SKYHYVE

Introduction

The SKYHIVE Edition No 5 Skyscraper Challenge is the fifth annual architecture competition which seeks out the latest and greatest designs for an iconic high-rise structure. Participants of the SKYHIVE Challenge are tasked with creating a concept for a state-of-the-art tower that breaks outside the norm.

Participants are encouraged to incorporate new technologies and materials in their designs, as well as unique aesthetics and spatial organisations. Special consideration will be given to designs that implement innovations in sustainable systems, as well as those that look to solve economic, social, and cultural problems through the establishment of new architectural methods.

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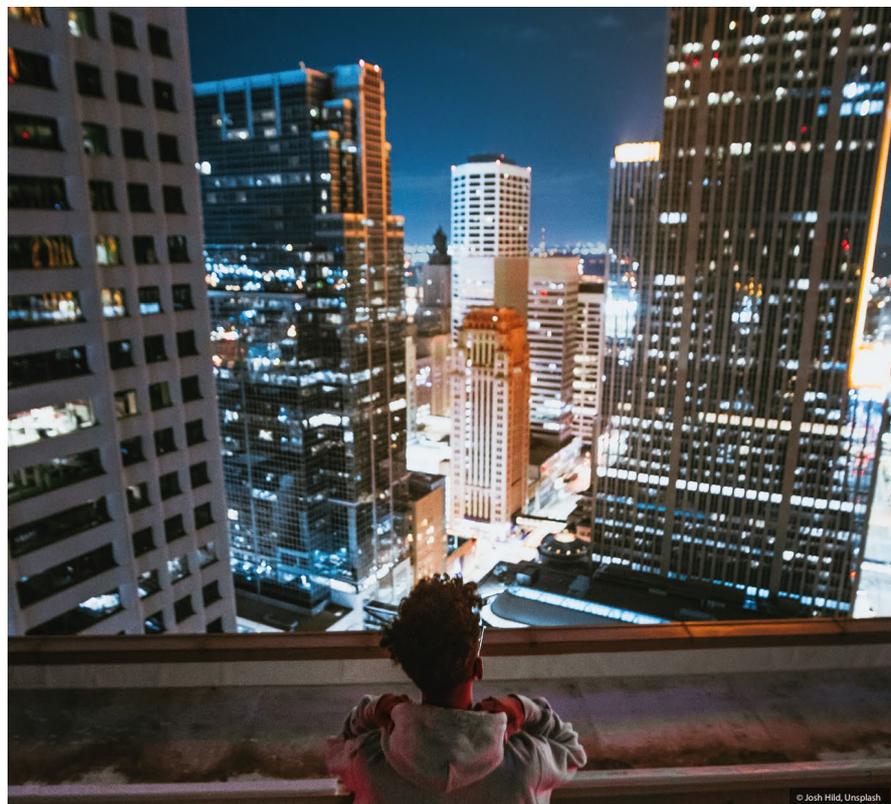
Conditions worth to follow beyond the completion of the course

Competition schedule
Preliminary registration deadlines

⚑ Early Bird Registration
NOVEMBER 15 – DECEMBER 15

⚑ Advance Registration
DECEMBER 16 – FEBRUARY 4

⚑ Last Minute Registration
FEBRUARY 5 – APRIL 29

It is still possible to participate in this competition after the preliminary deadlines, however, a higher late registration fee will be charged.

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? Closing date for questions & answers
MAY 5, 2022

In order to guarantee equal opportunity to all competition participants no new questions will be answered after this deadline!

⚑ Closing date for registration
APRIL 29, 2022

☑ Closing date for submission
JUNE 10, 2022 (11:59 p.m. GMT)

🎖 Announcement of the winners
JULY 15, 2022

See more here: https://architecturecompetitions.com/
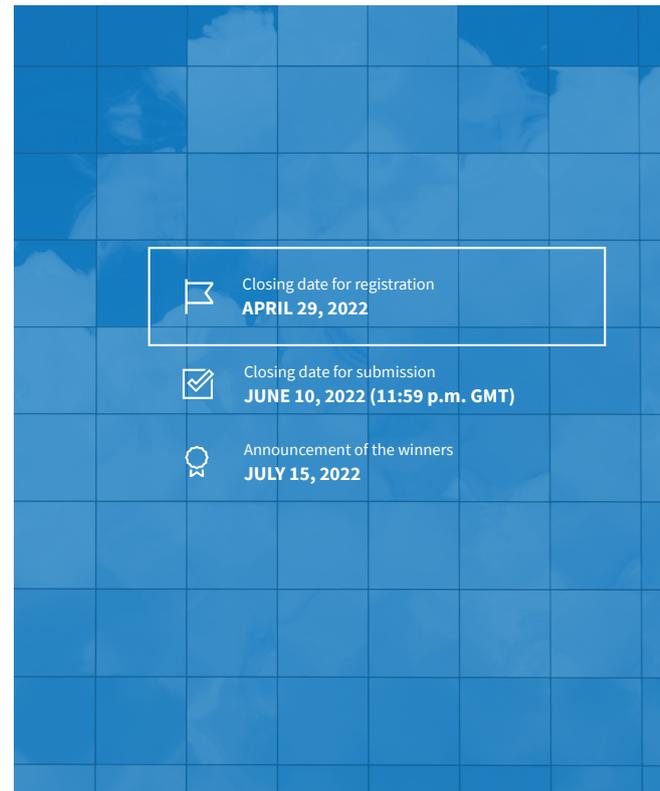
Submission requirements

- **Participants are required to upload one (1) A2 landscape-orientated presentation board (must not exceed 5MB) with sketches, renderings, plans, sections, elevations, diagrams, and/or other presentation tools to explain their proposal.**

1 panel [image]
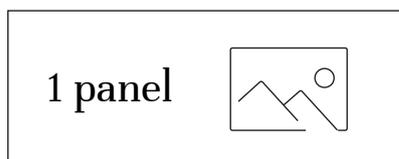
- No video files are accepted.
- All information provided in writing must be in English.
- All submissions must be uploaded via the architecturecompetitions.com upload panel. Access information and instructions on how to upload the presentation board will be issued to participants via email immediately after successful registration.
- Presentation boards must not indicate any information related to individual's/team's identity.

Participants who do not comply with the requirements will be disqualified without refund.

Recommended submission content

- Concept designs which highlight that all aspects of the design are of the highest quality and in keeping with the design brief and the proposed site.
- The main points of proposed plans and sections and multiple internal and external perspectives demonstrating the spatial quality of the building, as well as operational needs and accessibility requirements.
- Demonstration of project feasibility in regard to environment, climate conditions, lifecycle, and responsible use of materials.
- Visualizations; artist's impressions to illustrate how the proposal fits in with the quality, value, and significance of the proposed context.

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