Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences

Graduation Plan: All tracks

Personal information	
Name	Öykü Su Ökkan
Student number	5325633

Studio		
Name / Theme	Complex Projects – Beirut Studio	
Main mentor	Bennekom, Ir. H.A. van	Architecture
Second mentor	Meel, Ir. H.L. van der Meel	Building Technology
Third Mentor	Zalingen, Ir. A. van	Research
External Examiner	Naldini, S.	
Argumentation of choice of the studio	The studio was particularly interesting as the city of Beirut offers space to experiment after the port explosion.	

Graduation project	
Title of the graduation project	Post-Digital Depot

Goal	
Location:	Beirut, Lebanon
The posed problem,	It is a necessity for Beirut, and Lebanon, to have a solid understanding of its culture to move forward as identity of the citizens are closely bounded with their culture. A stable foundation for remembrance, awareness and recollection of cultural heritage is currently missing. In combination with external factors accelerating the cultural loss, lack of preservation is the main threat against maintaining a shared heritage which unites the community.
research questions and	How can digitalization be utilized for preservation and accessibility of cultural heritage?
design assignment in which these result.	Hospital for Arts
hypothesis	Digitalization significantly improves accessibility of art and engagement of the community. Archiving of cultural objects challenge ephemerality of knowledge.

1. How does culture unite Beirutians against unrest and destruction?
2. How have destructive events affected the cultural scene in Beirut?
3. What is worth preserving and storing among the cultural heritage of Beirut?
4. What is the anatomy of a storage facility?

5. Can culture be stored in a facility, if so how?
6. How can digitalization be utilized as the method of preservation?
7. How does preservation through digitalization translate into architecture?
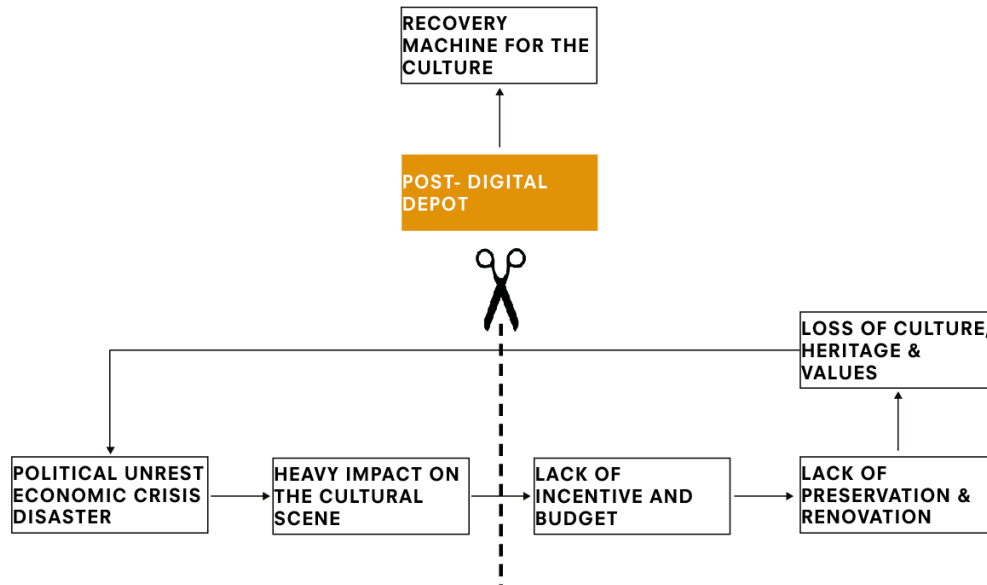
Process

Method description

1. Analysis
2. Literature study
3. Formulating project ambitions
4. Case studies
5. Program
6. Site definition
7. Massing
8. Design

CASE STUDIES
GROUP I : STORAGE FAC.

CASE STUDIES
GROUP II: DIGITALIZATION

LITERATURE
THEORETICAL FRAMEWORK

The case studies will be compared in relation to context and function through re-drawing of architectural means to elaborate on the program and spatial configuration.

What is the theory lying behind adaptation of digital culture into architectural thinking?

How does cyberspace influence tangible space?

The first group of case studies will focus on storage facilities and means of preservation of objects.

The second group of case studies will focus on digitalization as an architectural layer.

How does ephemerality influence space?

Literature and general practical preference

Case Studies

CASE STUDIES GROUP I : STORAGE FAC.	CASE STUDIES GROUP II: DIGITALIZATION	LITERATURE THEORETICAL FRAMEWORK
1. SVALBARD GLOBAL SEED VAULT	1. CENTRE POMPIDOU	1. MUSEUMS AT THE POST-DIGITAL TURN (MOUSSE PUBLISHING, 2019)
2. 1111 LINCOLN ROAD	2. ZENTRUM FUR KUNST UND MEDIENTECHNOLOGIE	2. THE ART MUSEUM IN THE DIGITAL AGE – 2022 (VIENNA)
3. DEPOT BOIJMANS	3. EYEBEAM INSTITUTE	3. THE POSTDIGITAL MUSEUM (ROSS PARRY, 2015)
4. GOOGLE'S FINNISH DATA CENTER	4. ARS ELECTRONICA CENTER	4. 'ARCHAEOLOGY OF THE DIGITAL' (PETER EISENMAN, GREG LYNN, FRANK GEHRY, CHUCK HOBERMAN, SHOEI YOH)

Bibliography

"1111 LINCOLN ROAD." HERZOG & DE MEURON. Accessed November 12, 2021. https://www.herzogdemeuron.com/index/projects/complete-works/276-300/279-1111-lincoln-road.html.

Alexenberg, Mel. The Future of Art in a Postdigital Age: From Hellenistic to Hebraic Consciousness. Erscheinungsort Nicht Ermittelbar: Intellect Books, 2013.

"An Exhibition Tribute to Baalbek at the Sursock Museum in Beirut." KAWA. August 16, 2019. Accessed November 12, 2021. https://kawa-news.com/en/an-exhibition-tribute-to-baalbek-at-the-sursock-museum-in-beirut/.

"A Post-Digital Museum? – Poem – Participatory Memory Practices." POEM, 10 June 2019, https://www.poem-horizon.eu/a-post-digital-museum/.

Arbid, George. "Modern Architecture in Lebanon as Part of Our Cultural Heritage." Banqo Libano-Française, https://blfheadquarters.com/2018/02/20/modern-architecture-lebanon-part-cultural-heritage/.

"The Arc – a Visitor Center for Arctic Preservation Storage in Svalbard." Snøhetta. Accessed November 12, 2021. https://snohetta.com/project/469-the-arc-a-visitor-center-for-arctic-preservation-storage-in-svalbard.

"Are We Getting an Opera House in Beirut?" Blog Baladi, 25 May 2017, https://blogbaladi.com/are-we-getting-an-opera-house-in-beirut/.

"Art Breeds Hope, Resilience in Blast-stricken Beirut: Samar Kadi." AW. Accessed November 12, 2021. https://thearabweekly.com/art-breeds-hope-resilience-blast-stricken-beirut.

"The Battle to Save Beirut's Beautiful Buildings." BBC Culture, BBC,

https://www.bbc.com/culture/article/20200820-beirut-explosion-the-battle-to-save-the-citys-buildings.

"Beiruts Art Scene: Before the Blast and Now." DailyArt Magazine. October 19, 2021. Accessed November 12, 2021. https://www.dailyartmagazine.com/beirut-art-scene/.

"Beirut's Bullet-riddled Holiday Inn - a History of Cities in 50 Buildings, Day 28." The Guardian. May 01, 2015. Accessed November 12, 2021. https://www.theguardian.com/cities/2015/may/01/beirut-holiday-inn-civil-war-history-cities-50-buildings.

"Beirut's Cultural Scene Gasps for Air." Zenith.me, 23 Oct. 2020, https://lebanon.zenith.me/en/culture/lebanons-artists-danger.

"Beirut Port Blast: Gunfire Erupts at Protest against Judge Leading Probe." BBC News. October 14, 2021. Accessed November 12, 2021. https://www.bbc.com/news/world-middle-east-58901611.

"Belvedere Museum Vienna: Digital Conference 2022." Belvedere Museum Vienna | Digital Conference 2022, 17 Jan. 2022, https://www.belvedere.at/en/digitalmuseum2022.

Calame, Jon, and Esther Ruth Charlesworth. Divided Cities: BELFAST, Beirut, JERUSALEM, Mostar, And Nicosia. University of Pennsylvania Press, 2012.

"Depot Boijmans Van Beuningen." MVRDV. Accessed November 12, 2021. https://www.mvrdv.nl/projects/10/depot-boijmans-van-beuningen.

"Eyebeam Institute." MVRDV. Accessed November 12, 2021. https://www.mvrdv.nl/projects/138/eyebeam-institute.

"Fire at Notre-Dame Cathedral in Paris: "UNESCO Stands by France to Safeguard and Rehabilitate This Historic Heritage of Outstanding Universal Value"." UNESCO. April 25, 2019. Accessed November 12, 2021. https://en.unesco.org/news/fire-notre-dame-cathedral-paris-unesco-stands-france-safeguard-and-rehabilitate-historic.

Habre, Olga. "Museum Rising." Executive Magazine. July 16, 2021. Accessed November 12, 2021. https://www.executive-magazine.com/life/art-culture/museums-galleries/museum-rising.

Harris, Gareth. "A Year on from the Devastating Beirut Blast, the City's National Museum Slowly Reopens." The Art Newspaper - International Art News and Events. September 28, 2021. Accessed November 12, 2021. https://www.theartnewspaper.com/2021/08/03/a-year-on-from-the-devastating-beirut-blast-the-citys-national-museum-slowly-reopens.

Haydar, Adib. ""Unparking": How Can Smart Mobility Reduce Parking Demand in Our Cities to the Minimum? (Beirut Case Study)." MDPI. March 29, 2020. Accessed November 12, 2021. https://www.mdpi.com/2624-6511/3/2/10/htm.

"Kansai Kan." OMA. Accessed November 12, 2021. https://www.oma.com/projects/kansai-kan.

Kuwaittimes. "'Execute Them': Lebanese Protesters Demand Revenge after Deadly Blast." Kuwait Times. August 09, 2020. Accessed November 12, 2021. https://news.kuwaittimes.net/website/execute-them-lebanese-protesters-demand-revenge-after-deadly-blast/.

"Lebanese Youth Are Reclaiming Public Spaces with Arts and Dialogue." International Alert. October 25, 2021. Accessed November 12, 2021. https://www.international-alert.org/blogs/lebanese-youth-are-reclaiming-public-spaces-with-arts-and-dialogue/.

Levy, Steven. "Where Servers Meet Saunas: A Visit to Google's Finland Data Center." Wired. October 24, 2012. Accessed November 12, 2021. https://www.wired.com/2012/10/google-finland-data-center-2/.

"Life among the Ruins in Beirut." The New York Times, The New York Times, 6 Dec. 1981, https://www.nytimes.com/1981/12/06/magazine/life-among-the-ruins-in-beirut.html.

Maasri, Zeina. "On 21 March 1976, the Murabitun Destroyed the Symbol of Fascist Treason and Took an Oath of Continuing the Journey at Whatever Cost." Digital image. Signs of Conflict. 1977. Accessed November 12, 2021. http://www.signsofconflict.org/Archive/poster_details/1406.

Meehan, Nicole. "Digital Museum Objects and Memory: Postdigital MATERIALITY, Aura and Value." Curator: The Museum Journal, 2020, https://doi.org/10.1111/cura.12361.

Monroe, Kristin V. "THE PRIVATIZED CITY." In The Insecure City: Space, Power, and Mobility in Beirut, 18–34. Rutgers University Press, 2016. http://www.jstor.org/stable/j.ctt1b67ws4.7.

Mouawad, Jad. "In Beirut, Cultural Life Is Another War Casualty." The New York Times, The New York Times, 31 July 2006, https://www.nytimes.com/2006/07/31/arts/31cult.html.

"Multi Media Building." OMA. Accessed November 12, 2021. https://www.oma.com/projects/multi-media-building.

"Norway: 'Doomsday' Vault Where World's Seeds Are Kept Safe." Time. Accessed November 12, 2021. https://time.com/doomsday-vault/.

Naamani, Aseel. "Lebanese Youth Are Reclaiming Public Spaces with Arts and Dialogue." Alerte Internationale, 20 Nov. 2019, https://www.international-alert.org/fr/blogs/lebanese-youth-are-reclaiming-public-spaces-arts-and-dialogue.

"Open Forum." Beirut Shifting Grounds, https://beirutshiftinggrounds.com/Events.

Ovenden, Richard. "The Real Lesson of the Burning of the Library of Alexandria." Time. November 17, 2020. Accessed November 12, 2021. https://time.com/5912689/library-of-alexandria-burning/.

Parry, Ross. "The End of the Beginning." Museum Worlds, vol. 1, no. 1, 2013, pp. 24–39., https://doi.org/10.3167/armw.2013.010103.

"Planning the Public Library." American Planning Association. Accessed November 12, 2021. https://www.planning.org/pas/reports/report241.htm.

Proctor, Rebecca Anne. "'We Are Having Trouble Living Without Fear': Beirut's Cultural Sector Starts to Pick Up the Pieces After the City's Deadly Explosion." Artnet News. August 18, 2020. Accessed November 12, 2021. https://news.artnet.com/art-world/beirut-explosion-aftermath-1902138.

Raschka, Marilyn. "Beirut Digs Out." Special Report Beirut - Archaeology Magazine Archive. July 4, 1996. Accessed November 12, 2021. https://archive.archaeology.org/9607/abstracts/beirut.html.

Stanici, Aleksandar, and Milan Šijakovic. "(Re)Building Spaces of Tolerance: A 'Symbiotic Model' for the Post-War City Regeneration." Spaces of Tolerance, 2021, pp. 105–120., https://doi.org/10.4324/9781003132264-10.

Streetwitness, director. "Tomorrow We Will See" Full-Length Documentary on Lebanese Artists. YouTube, YouTube, 11 Mar. 2017, https://www.youtube.com/watch?v=EWmFiQCJed0. Accessed 28 Sept. 2021.

"Svalbard Global Seed Vault." Crop Trust. August 23, 2021. Accessed November 12, 2021. https://www.croptrust.org/our-work/svalbard-global-seed-vault/.

Thomas, ByAbreeza. "Beirut's Art Scene: Before the Blast and Now." DailyArtMagazine.com - Art History Stories, 11 Sept. 2020, https://www.dailyartmagazine.com/beirut-art-scene/.

"What Is a Data Center?" Dutch Data Center Association. October 03, 2017. Accessed November 12, 2021. https://www.dutchdatacenters.nl/en/datacenters/what-is-a-data-center/.

What Is a Paradigm. Performed by Giorgio Agamben. October 01, 2002. Accessed November 12, 2021. https://www.youtube.com/watch?v=G9Wxn1L9Er0.

"Zentrum Fur Kunst Und Medientechnologie." OMA. Accessed November 12, 2021. https://www.oma.com/projects/zentrum-fur-kunst-und-medientechnologie.

Reflection

1. What is the relation between your graduation (project) topic, the studio topic (if applicable), your master track (A,U,BT,LA,MBE), and your master programme (MSc AUBS)?
   A certain time period is required from the moment a building is conceptualized, designed and built. In most cases, the building becomes already belonging to the past the moment it is finalized and the conditions of site has already changed. The project is relevant to the track of architecture in the sense that it challenges the notion of time.

2. What is the relevance of your graduation work in the larger social, professional and scientific framework?
   The project is questioning the preservation of culture and ephemerality of knowledge through the case study of Beirut. The initial question is "Can culture be

stored in a storage facility, if so how?" developed into digitalization as a tool for preservation. In this sense, a hybrid typology of museum archive and data centre is being developed. This new typology belongs to the post-digital era mainly aiming for utilization of digital technologies on humanization. Therefore, it is extremely current and experimental.