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STUDIO

Destination Wasteland!

Redevelopment Strategy for the Maifischgraben Landfill in Neustadt an der Weinstraße

Landfills, formerly often referred to as rubbish dumps, were, for a long time, the standard method of waste disposal in Germany. A key driver of the transition in waste management was the 2005 ban on landfilling biodegradable and other organic waste unless it had undergone prior treatment. In 2024, this ban was extended to include recyclable and recoverable waste. As a result, the number of landfills in Germany declined from 65,000 to just 999 by 2021.

The widespread closure of landfills has led many sites to enter what is known as the aftercare phase. This phase ensures the long-term stability of the landfill and guarantees that it will not pose a risk to public health or the environment in the future. Many landfills are now reaching the end of their aftercare phase, highlighting the need for well-considered redevelopment strategies that return these areas to the public as valuable spaces. The redevelopment of former landfill sites presents several planning challenges from water, soil, flora, fauna and social aspects, spanning a period of at least 100 years.

Neustadt an der Weinstraße is located at the edge of the Palatinate Forest in the Rhine Valley. As part of the 2027 State Garden Show, a new landscape park is being developed in the northwest of Neustadt.

This park will begin at the eastern edge of the historic town centre and extend westward to the Maifischgraben landfill. The southern part of the Maifischgraben landfill is being integrated into the landscape park as a Panorama Hil.

The studio will focus on the northern part of the former landfill, which covers around 6 hectares. The aim of the Destination Wasteland! Studio is to develop an ecologically valuable habitat for flora and fauna on the former Maifischgraben landfill. At the same time, the site should provide leisure and recreational opportunities in the form of a glamping area. The design must account for the long-term transformation process of landfill redevelopment over a 100-year period and illustrate this evolution clearly.

The studio will be offered as an interdisciplinary studio with the collaboration of the Chair of Restoration Ecology.

We welcome students from both the Bachelor's (6th semester and thesis) and Master's in Landscape Architecture and Planning

If you are interested in participating, please contact Christoph Fleckenstein.

Information about the studio will be presented on April 23 at 3pm in room E42, in Freising. Registration deadline 23.04.25 6pm.

Master Landscape Ar. Project:

15 ECTS

LV-Nr.: 0000003011

LV-Nr.: 0000003015 (Advanced)

Bachelor Landscape Ar.

Project 4:

9 ECTS / 6 SWS

LV-Nr.: 0000003017

Bachelor Thesis:

LV-Nr.: 0000002998

(GTLA Forschungsdesigns)

Location:

Freising, E42

Kick Off:

28.04.2025, 13:00, E42

Excursion:

03.05. – 07.05.2025

Neustadt an der Weinstraße

Language:

German/English

Tutoring:

Mondays, 9:30-12:30 [MA] - 13:30-18:00 [BA]

Teaching Team:

Prof. Ferdinand Ludwig,
Christoph Fleckenstein, M.A.
Lumi Kirk, M.A.

Contact:

christoph.fleckenstein(at)tum.de

gesamtkunstWERK muensterLAND

a region between baroque, cultural landscape and climate change



Nordkirchen Castle in Münsterland © Münsterland e.V./Christoph Steinweg

THEME . This semester we are working in Münsterland. The landscape is characterized by an almost park-like cultural landscape as well as palaces and castles. Nordkirchen Castle has even been called the 'Westphalian Versailles' ... but can this historical idyll survive in the face of today's challenges, the demand for residential and commercial space, raw material extraction and now also energy production? Or can the established cultural landscape provide the structures to shape a landscape-friendly transformation? Citizens from Nordkirchen approached us with this question.

As required by law for all regions, the spatial future of the Münsterland is to be organized by the regional plan. Regional plans and the landscape framework plans contained therein are upstream of the urban land-use planning and green planning of the municipalities and are intended to promote balanced development, equivalence, but also diversity of the 'sub-regions' of Germany.

However, the picture of the future it contains can at best only be read by experts - the categories, plan symbols and hatchings that a formal regional plan is allowed to display appear extremely abstract and not very clear.

In the project, we want to achieve two things: translate the regional plan into generally understandable, interesting spatial images and thus bring together new structural development and the established cultural landscape.

BACHELOR . The focus of the project work is on the Münsterland landscape area that stretches between Nordkirchen, Südkirchen and Capelle. The aim is to develop a regional structural concept as an informal spatial image for the Regionalplan, to integrate existing landscape qualities and to improve the ecological, social and aesthetic conditions.

MASTER . The working area for the Masters is the entire Münsterland regional plan. Local settlement and landscape structures are to be developed in a differentiated typology. The legal basis of the regional plan, the Raumordnungsgesetz (ROG), the Landesplanungsgesetz and the Landesentwicklungsplan (LEP) will be examined in depth.

BACHELORTHESIS . The focus of a thesis on Nordkirchen and / or the Münsterland could be on the **cultural landscape as a place of social encounter and a collective work**; or on **landscape structure dimensions, spatial proportions and textures**; or on **a collage landscape for the design of suburban functional zones ...**



Empty halls of the textile company ASPA © Günther Goldstein



'Pättken' landscape around Nordkirchen © Münsterland e.V./Long-Nong Huang



Historical map from 1825 © Müller, Wilhelm (fl.1818)/[Hannover:Wilhelm Müller] (Kartograf). 1825. Hydro-Oro und Chorographische General Karte des Koenigreichs der Niederlande und der angrenzenden Länder bis Paris : mit der Angabe der Kunst und Heer-Strassen und der Entfernung der Poststationen, Kartenausschnitt Region Nordkirchen, (<https://www.oldmapsonline.org/de/Nordkirchen?gid=ed7cc76e-18c3-4b5d-a3f1-6feaf4b0221#position=11.0271/51.7359/7.5267&year=1825>) aufgerufen am 21.2.2025

Cultural landscape as a source of structure

„A *critical reconstruction* of such *a priori* sources of scale, structure and stimuli of the landscape does not mean securing them as monuments or rebuilding them precisely, but rather using them concretely and bindingly in the ground plan as a traditional basis for negotiating the landscape to be newly formed.“

Source: Schöbel, S. (2018). Bausteine eines neuen Landschaftsvertrags. In: S. Schöbel (Hrsg.), *Landschaftsvertrag* (S.302). Berlin, jovis Verlag.

DATES . short project presentation at the start of the semester on Wednesday, 23.4.2025 from 16:00 . comprehensive project introduction and start with first task allocation on Monday, 28.4.2025 from 13:15 . supervision and presentation days always on Mondays from 13:15 . location Studio O5 . project excursion takes place in CW19

REGISTRATION . no later than 23.4.2025 binding registration via TUMonline . Bachelor's thesis registration via course AR71154 Forschungsdesigns Regionale Freiräume

SUPERVISION . Prof. Dr. Sören Schöbel
M.A. Paula Erber
M.A. Sabine Kern

Open to students from the degree programs

BACHELOR Landscape Architecture (L6) - Project 4 Region . 9 ECTS

MASTER Landscape Architecture oder Urbanism (M1/M2) . 15 ECTS

BACHELORTHESIS Landscape Architecture 15 ECTS . can be combined with Forschungsdesign Regionale Freiräume 6 ECTS



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Master Project Landscape Architecture M 123 – Summer Semester 2025
 Chair of Landscape Architecture and Public Space, Prof. Regine Keller

From Incidence to Permanence

Sustainable Transformation at HP8, Munich

Topic

In October 2021, a temporary hub for cultural institutions was established in Munich-Sendling. This area, located at Hans-Preißinger-Straße 6–8, includes the Gasteig HP8 (home to the Isarphilharmonie) and a mix of cultural spaces, small businesses, and facilities of Stadtwerke München (SWM).

To plan its future development, SWM has divided the site into three sections, which will be developed step by step from south to north. The southern and central parts will mainly be used for housing, while the northern part will remain a cultural center. There are also plans to improve Hans-Preißinger-Straße by making it more pedestrian-friendly and reducing traffic.

A key challenge is to balance gradual development with urgent environmental and climate needs. The project aims to include eco-friendly solutions that work both during and after construction. It will decide which elements should be permanent and which should stay flexible to adapt to future changes.

The main goal is to combine ecological and social benefits. Efforts like reducing paved areas, increasing greenery, and creating shared public spaces will make the area more livable and sustainable. Temporary projects and community involvement will help keep the site lively and accessible throughout its transformation.

In this project, students work in groups, first conducting a scientific analysis to establish the foundation for their design. Alongside a traditional open space analysis, the focus is placed on a comprehensive stakeholder analysis. This step serves as the basis for the following design phase, which, in the integration stage, also addresses specific strategies for enhancing biodiversity.

Dates

	regular supervision days	Thursdays 13:30 - 18:00h in O5
Wed 23.04.	13:30h	Short Presentation of the Project (Room O5)
Thu 24.04.	13:30h	Project Kick-off
Mon 28.04.	all day	Excursion
Thu 24.07.	tba	Final Presentation

Supervision

Prof. Dipl. -Ing. Regine Keller
 M.A. Lena Kruse
 M.A. Daniel Wolfram
 Prof. Dr. Monika Egerer (Integration)

Registration

max. 15 students, registration for "Master Project Landscape Architecture I + II + III" via TUM Online until Wednesday, 23.04.2025 18:00h

Landschaftsarchitektur Transformation



View on the crane workshop at Westerholt colliery © Federmann und Kampczyk design gmbh, from: Stadt Herten/ Stadt Gelsenkirchen/ RAG Immobilien (eds.): "Neue Zeche Westerholt. Von der Idee zum Masterplan" Herten, Gelsenkirchen, Essen 2016; p. 6-7

Mining the Future

New Life for Westerholt Colliery in Gelsenkirchen/ Herten, Germany

Summer Semester 2025 – Master Project 15 ECTS
Module AR30389/90

Supervision: Prof. Dr. Udo Weilacher
M.A. Johannes Schmitt
Bernhard Schöner (model making)

Participants: Master students

Structural change in the Ruhr region has led to the decline of many former mining areas, including Westerholt colliery, which closed in 2008. The 29-hectare site is located between Gelsenkirchen and Herten, and the redevelopment of this former coal mine is a key future project for both cities. Through inter-municipal cooperation, they aim to revitalise the area by creating high-quality commercial and residential spaces. The challenges are considerable and require innovative solutions in the open space. Despite the site's advantageous location between the cities and its proximity to historically rich neighbourhoods, it remains largely isolated due to its industrial past. Numerous questions remain, such as how to approach the preservation and reuse of historic buildings. Environmental concerns – including the reuse of contaminated soil and materials, climate resilient development and effective rainwater management – also need to be addressed. Furthermore, the development of these open spaces must involve local residents, workers and visitors, contributing to the social fabric of both the site and the surrounding communities. The aim is to create a sustainable, forward-looking concept for transforming the former colliery into a vibrant living and working environment that meets ecological, economic and social challenges.

Registration: via **TUMonline**. **Deadline: 23 April, 6pm**
Info Master Project: Wednesday, 23 April, 2pm, room E42
Kick-off: Thursday, 24 April, 1:30pm, room E42
Studio: Thursdays, 1:30 - 6pm, room E42
Excursion: Thursday, 8 May - Sunday, 11 May
Presentation: Thursday, 24 July, room E42

As changes in the teaching schedules may occur, please check the most recent notices and announcements on our boards and homepage (<http://www.arc.ed.tum.de/lat>).

Summer term 2025: Student Projects in Restoration Ecology



(A) Topics. Various nature conservation-related topics are posted on the chair's bulletin board. Here are the most important topics and contact persons:

1. *Vegetation design for urban infiltration basins* (johannes.kollmann@tum.de)
2. *Reintroduction of wild arable plants* (johannes.kollmann@tum.de)
3. *Enhancing the biodiversity of golf courses* (sandra.rojas-botero@tum.de)
4. *Biodiversity and soils of restored dyke grassland* (markus1.bauer@tum.de)
5. *Woody plant regeneration and groundwater in the Isar River floodplain* (haeberle@tum.de)
6. *Analysis and restoration of wild river dynamics* (wagner@tum.de)
7. *Invasion ecology and theoretical ecology* (t.heger@tum.de)

(B) Preconditions. Depending on the project, basic knowledge of conservation biology and planning, as well as experience with fieldwork, is required. For laboratory projects, relevant knowledge is expected. Some projects require knowledge of GIS and/or statistics.

(C) Goal. Teaching scientific work with preparatory literature research, planning of the experimental design, conducting the experiments, evaluating the data obtained using appropriate statistical methods and processing the results based on a scientific publication.

(D) Procedure. Project introduction on 23.04.25 13:00 in U11, continued by individual discussions with the supervisors. The topics can be worked on individually or in groups - both German and English are possible. Relevant literature will be offered at the beginning of the project. Intermediate (PowerPoint) presentation 03.06.25, 8-12, U11; final presentation 08.08.25, 8-12, U11. Report submitted by 30.09.25 latest that will be graded to generate the mark of this study activity.