POST-Rust
DESIGNING FUTURES IN POSTINDUSTRIAL GROUNDS
GERMANY + US
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POST-Rust: DESIGNING FUTURES IN POSTINDUSTRIAL GROUNDS

Learning from regional initiatives of urban transformation in the US and Germany

Instructors
Maria Arquero de Alarcon, Associate Professor, Director Master of Urban Design
Claudia Wigger, Lecturer in Architecture

Objective
This Study Abroad Course (3 credits) brings together students from various disciplines to explore the agency of design in the making of sustainable futures in postindustrial grounds.

Students enrolled in the course will develop a comparative study between selected cases addressing the urban transformation of postindustrial regions in the US Rust Belt (Chicago-Detroit-Cleveland) and Germany (Rhein-Ruhr Region, Hamburg and Berlin).

The course will address the architectural, landscape and urban strategies advancing the making of more resilient regions, its successes and failures. Participants will engage in research, first hand documentation and critique, to develop a robust understanding of contemporary debates in urban design and inform their own design proposals.

Schedule 5/4-6/15
The semester will start in Ann Arbor, developing initial investigations in preparation for the field trip. The group will visit Detroit, Cleveland, and Chicago before embarking in international travel. In this three geographies, we will select specific case studies and meet relevant agents in their development. Travel to Germany will take place in the third week of May and span for three weeks. The field studies will cover several cities in the agglomeration of the Rhein-Ruhr Region (Frankfurt, Cologne, Dusseldorf, Duisburg, Essen, Bottrop, Gelsenkirchen, Bochum, Dortmund) plus the cities of Hamburg and Berlin, all of them with relevant projects targeting post-industrial redevelopments, eco-city approaches and other sustainable frameworks ranging in scale from the regional landscape patterns, city scale masterplans to the urban block and building types.

The first week of June, students will participate in the International Symposium and Design Workshop "Transforming City Regions III: Urban Integration," at Zeche Zollverein, Essen, Germany. This initiative approaches the agglomeration of the Ruhr Region as a breeding ground for urban experimentation through the consideration of five thematic components: polycentric structures of urban agglomeration, multi-scalar models with locally divergent development speeds, resilience and adaptive capacity, social integration and digital culture. During the symposium, students will participate in different activities including paper presentations by academics and practitioners attending the event, and will participate in a workshop to foster the development of interdisciplinary and multi-scalar design strategies. The design sessions will be supported through input from external consultants, and feedback from local stakeholders, community groups and professionals.

Outcome
Study Abroad students and Capstone students will work together in the semester components specified above. Collectively, the group will develop a POST-Rust field guide manual documenting their site investigations, the theories and discourses supporting the visited projects and initiatives, and their own travel experiences. In addition, MUD capstone students (9 credits course) will be responsible of framing their own design proposals in consultation with instructors. They will be able to work in team or independently, and select the location and focus of their proposals.

Prerequisite
The course is required for MUD Students, and open to 12 additional graduate students from MArch, MLA, MS, and MURP degrees.
US (5/04-5/18)

**Ann Arbor**
- Preparation Travel,
- Research and Analysis of one specific case study depending on individual interest (Urban Design, Landscape, Architecture)

**Detroit (suggested)**
- Lafayette Park, Ludwig Mies van der Rohe (including visit of a Townhome)
- Historic Eastern Market, possible meeting with Eastern Market Inc, Wasserman project
- Elmwood Cemetery, Historic Bloody run creek and Calvary Baptist Church by Gunnar Birkerts
- Design Initiatives by Taubman faculty (possibly Afterhouse by Steven Markouche and OneMile by Anya Sirota)
- Fisher Building + New Center
- Packard Plant, Poletown, Heidelberg Project

**Cleveland**
- Meeting with LAND studio, visit of several of their built and ongoing projects such as the work on the greenways
- Meeting with CUDC (pending confirmation)
- Public Square by James Corner’s Field Operations

**Chicago**
- Meeting with PlaceLab at University of Chicago (pending confirmation)
- Meeting with PORT Architecture and Urbanism
- Meeting with Paula Aguirre at Borderless
Waterfront redevelopment, Dusseldorf
BERLIN (5/21-5/28)

Berlin Sights
- Interbau Berlin, Hansaviertel, High-rise buildings in park landscape
  - Visit to apartments in Aalto, Jacobsen, Eiermann, Niemeyer
- IBA Kreuzberg, New buildings and renovation of old buildings following the fabric of the historic city (Eisenman, OMA, Heyduk)
  - Reichstag, Norman Foster
  - New Museum, David Chipperfield
  - Altes Museum, Karl Friedrich Schinkel
  - Dutch Embassy, OMA
  - Boros Bunker, Jens Casper and Petra Petersson (sammlung-boros.de)
  - Philharmonie, Hans Scharoun, evening visit for concert
  - Neue Nationalgalerie, Mies van der Rohe
  - Naturkunde Museum, Diener + Diener

Berlin Bottom-Up Initiatives
- Former Flughafen Tempelhof Park (tempelhofer-park.de)
  - Park am Gleisdreieck, (gruen-berlin.de/park-am-gleisdreieck)
- Baugruppen Housing Projects with guided tours of the architects
  - Nils Buschmann (robertneun.de) and Tim Heide (heidevonbecker-ath.com) (awaiting confirmation)

Berlin Day-Trips
- Office Visit of Experimental architectural practice raumlabor (awaiting confirmation)
  - http://raumlabor.net/

- IBA Fürst-Pückler-Land, former open coal mine, transformed into large scale fresh water system (open-iba.de/geschichte/2000-2010-iba-furst-puckler-land)
- Bauhaus Dessau
- Potsdam, various buildings by Karl-Friedrich Schinkel embedded in English Landscape Gardens by Peter Joseph Lenné

IBA Fürst-Pückler Land, Landmark Lausitz Lake, Senftenberg
Roemische Baeder, Potsdam
Baugruppen Housing, Robertneun, Berlin
Neues Museum, Berlin
Naturkunde Museum, Diener + Diener
Flughafen Tempelhof, Berlin
Philharmonie, Berlin
Interbau Berlin
Hamburg Sights

- Philharmonie Hamburg, Hafen City, Herzog + deMeuron
- HEW Headquarter, Arne Jacobsen
- Chile Haus, Fritz Hoeger
- Elbtunnel, Historic Tunnel
- Former Spiegel Canteen, Verner Panton, Museum fuer Kunst und Gewerbe
- IBA Hamburg, Energy Bunker, Housing Projects, Energy Island
- Entenwerder Restaurant and Sailboat launch, Thomas i-Punkt

HAMBURG (5/29-5/31)

- Magellan Terrassen, Hafen City, Hamburg
- Spiegel Canteen, Verner Panton, Hamburg
- HEW Headquarter, Hamburg
- Chile Haus, Hamburg
- Energy Bunker, Hamburg
- Pop-up Restaurant Entenwerder, Hamburg
- Energy Tunnel, Historic Tunnel
- Former Spiegel Canteen, Verner Panton, Museum fuer Kunst und Gewerbe
- IBA Hamburg, Energy Bunker, Housing Projects, Energy Island
- Entenwerder Restaurant and Sailboat launch, Thomas i-Punkt
- Philharmonie, Hamburg
- Engergy Bunker, Hamburg
Rhein/Ruhr (5/29-6/08)

Architecture Sights
- Haus Lange + Esters, Mies van der Rohe, Krefeld
- Kolumba Museum, Peter Zumthor, Cologne
- Landesarchiv NRW, Ortner + Ortner, Duisburg
- Insel Hombroich with Museum Hombroich + Raketenstation, Erwin Heerich, Álvaro Siza, Tadao Ando
- School for Management + Design, SANAA, Zeche Zollverein
- Museum Zollverein, OMA

Landscape Projects and Urban Initiatives
- IBA Emscher Park / Ruhr 2010 / Stadtbaukultur NRW / Emscher genossenschaft
- Some of the projects we will visit as part of these initiatives:
  - Metabolon, Gardens on former waste disposal site, Lindlar-Remshagen
  - (http://www.metabolon.de/)
  - Landschaftspark Duisburg-Nord, Latz+ Partner
  - Rheinpark Duisburg, Tiger + Turtle
  - Rheinelbe Park, Gelsenkirchen
  - Schurenbachhalde, Bottrop
  - Stadtbaukultur NRW, meeting with Tim Rienits
  - Zeche Zollverein UNESCO World Heritage site, OMA
  - Phoenix See, former blast furnace and steel plant site Hoesch, Thyssenkrup.

For more information:
- http://www.metropoleruhr.de/en/start/
## Tentative Budget

The tentative course budget is **US$3,285**, and faculty will make every effort to keep the final costs under this amount. In order to ensure an affordable plane rate and secure hostel rooms, we will work with students on reservations by the beginning of March. Each Taubman College student will receive a US$1,000 stipend to aid travel costs. Additionally, faculty will apply to the International Institute Experiential Learning Fund to support with up to an additional **US$400 per student** (not yet granted).

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Cost</th>
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<tbody>
<tr>
<td><strong>Air Transportation</strong></td>
<td>Chicago or Detroit to Berlin and Frankfurt or Dusseldorf to Chicago, round</td>
<td>$1,300</td>
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<tr>
<td></td>
<td>trip (will select cheapest fare)</td>
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<tr>
<td><strong>Ground Transportation</strong></td>
<td>AA-Airport-AA</td>
<td>$70</td>
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<td></td>
<td>Trains in Germany connecting among cities [Berlin, Hamburg, Dortmund, Bochum, Gelsenkirchen, Bottrop, Essen, Duisburg, Dusseldorf, Cologne]</td>
<td>$350</td>
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<td></td>
<td>Bike Rental in Germany</td>
<td>$90</td>
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<td></td>
<td>Buses in Germany</td>
<td>$50</td>
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<tr>
<td></td>
<td>Bike Rental Detroit, 2 days</td>
<td>$30</td>
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<td></td>
<td>Van Rental to Cleveland and gas, 2 days at $63/day</td>
<td>$200</td>
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<tr>
<td><strong>Hostels in Germany, Cleveland and Chicago</strong></td>
<td>Stays in several cities, $40 average cost per night, 20 nights, four beds per room</td>
<td>$800</td>
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<td></td>
<td>Stay in Cleveland youth hostel, 1 night, shared rooms</td>
<td>$35</td>
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<tr>
<td></td>
<td>Stay in Chicago youth hostel, 2 nights, shared rooms</td>
<td>$80</td>
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<tr>
<td><strong>Museums and other cultural activities</strong></td>
<td>Average, $5 / day</td>
<td>$100</td>
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<td><strong>Other logistics</strong></td>
<td>The cost of attending the workshop will be included in the course fees</td>
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<td>Visa, depending nationalities, average</td>
<td>$150</td>
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<td>Medical Insurance, $5 + $1.15 per day, 21 days</td>
<td>$30</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$3,285</strong></td>
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