



# A42F3B Fri arkitekturstudio 4:3

## 12,0 hp

Free Architectural Studio 4:3

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

### Fastställande

Kursplan för A42F3B gäller från och med HT08

### Betygsskala

P, F

### Utbildningsnivå

Avancerad nivå

### Huvudområden

Arkitektur

### Särskild behörighet

Kandidatexamen inom området arkitektur, eller motsvarande utbildningsnivå.

### Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

# Lärandemål

## “Learning from China” (part1)

### Allmänna mål

1. Projektet ingår i studion Urban Studio.

Studio Description: This studio discusses sustainable urban development in terms of globalization, climate changes, mega cities and urban strategies - transformed into new typologies and innovative urban design. 2. Projektet syftar till ökad kunskap inom detta område och till fördjupad kunskap/färdighet inom arkitekturämnet som helhet. Projektet riktar sig till studenter som kan ha kommit olika långt i denna fördjupning och som därför även efter projektets slut kommer att ligga på olika nivåer.

3. Den enskilde studenten skall efter projektet ha redovisat en individuell utveckling av sina kunskaper och färdigheter inom studioinriktningens program och inom arkitekturämnet som helhet.

### Kursmål - Course goals

The project will focus on the role of natural resources in the shaping of urban environment with the aim of developing proposals for a new city along the Yangtze River. There is no place in the world where global changes are as evident as in the changing landscapes of China. The accelerated

urbanisation and an abrupt shift from one ideological model to another have provided a change in the scale of urban development at an unprecedented scale and speed. In this process very little thorough planning has been implemented partly because of the lack of ability to keep up with such “progress” but also because of the sheer scale and complexity of issues that have surfaced throughout these processes. The countries economy is being re-structured

and industrialised and this is causing a massive migrations to the cities. As a consequence of this shift to new economies the limits of natural energy resources such as water, electricity and fuel are being tested.

China is the place where new cities are built virtually overnight. As a result its urban landscape is a laboratory for experimentation with urban form, often realized through the virtual replication of physical environments and urban paradigms of the “western world”. Despite this China is continuously in the process of searching for its identity in the realm of new urban landscapes. Conferences and global forums are organized to open dialogues and exchange expertise in new sustainable development for cities of the future. Fourth session of the World Urban Forum in Nanjing (03 - 07 November 2008) will examine the impact of rapid urbanization on society, environment and urban policies.

## Kursinnehåll

### Displacements: “Learning from China” (part1)

There is no place in the world where global changes are as evident as in the changing landscapes of China.

The project will focus on the role of natural resources in the shaping of urban environment with the aim of developing proposals for a new city along the Yangtze River. We will examine and test the relations between natural resources, urbanization and the massive human migrations. We will focus on various urban forms and infrastructures along the Yangtze but also on flow of the river and its relationship to its natural and man made environments.

The waterways of the Yangtze River will be studied in their relation to the urbanized environments along its flow. One of the largest infrastructural projects in the world history

is being constructed as a means of alleviating China's energy problems but also as the means of controlling and taming the river which in the past has caused thousands of deaths due to frequent flooding. The Three Gorges Dam is located near the city of Wuhan. Upon completion of the project in 2009 about 2 million people will have to be displaced from their homes and about 40% of Chinese rural population will lose access to farmland. Total national electric output will increase by 10%. At the same time the major canal several thousand kilometers long is being dug to bring the water from Yangtze River north to Beijing to quench the thirst of a growing city. Several major cities are built along the flow of Yangtze River, one of them Shanghai, the city promoted as the Ecological city of the future at the upcoming Shanghai World Expo 2010. During the first segment of the course Displacements: Learning from China (part 1) We will examine and test the dynamics between natural resources, urbanization and the massive human migrations. We will focus on various urban forms and infrastructures along the Yangtze but also on flow of the river and its relationship to its natural and man made environments. The historic study of the changing role of Yangtze and its importance as a highway that influenced growth of cities and the valuable natural resource of the past and today will be explored in relation to the perspectives for the future. We are going to examine a number of different segments of the river: from dense urban and low density rural to the areas directly affected by flooding. This period will focus on urban analysis and the dissecting of the river flow, documentation of case studies, workshops, lectures, studio work and a study trip to China. During this period first sketches and concepts for urban strategies and architectural concepts for planning of the new city will emerge that would prepare a basic tools for the development of concrete urban and architectural proposals in the part 2 of the course.

## Kursupplägg

Group workshops in a studio  
Lectures  
Films  
Literature Readings and Discussions  
Study trip  
Urban design Studio and Critique

## Kurslitteratur

Required:

The Endless City: The Urban Age Project by the London School of Economics and Deutsche Banks's Alfred Herrhausen Society. Phaidon Press. Edited by Ricky Burdett and Deyan Sudjic

State of the World 2007 or 2008. World Watch Institute

Visionary Power, Producing the Contemporary City Saskia Sassen, Nai Publ. 2007

Suggested:

Supports: An Alternative to Mass Housing. Habraken, N.J. Second English Edition. Urban International Press, London, 1999.

The Global City, New York, London, Tokyo Saskia Sassen, Princeton, NJ: Princeton University Press.

# Examination

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Projektet innehåller två delmoment: genomfört och inlämnat projektarbete (9hp) respektive godkänd slutkritik etc (3hp). I det första delmomentet ingår det en eller flera delinlämningar under projektiden.

## Övriga krav för slutbetyg

### a) Presentationskrav

Individual work to be presented on min. 3 - A1 format sheets.

Include edited relevant work from previous presentations.

(More detailed requirements to be issued two weeks before final presentation). Minimum requirements:

- A video clip (1-2 minutes long) depicting the the site (use video as an analytical tool to depict ideas)
- Edited and well chosen relevant site documentation: plans, photos, etc.
- Studies of Sustainable models. Role of the state, individual (text, sketches, photos, diagrams) 1 - A1
- Analytical diagrams, mapping studies of the Yangtse River in plans and sections, scale: 1:400 -1:1000 or as required by the project scale.
- 1 page text on A4 – initial concept formulation of the concept/program for the site an a project title.
- Drawings, sketches and diagrams which best depict your concept (min. 1 - A1 size sheet) These should be visualisations relative to the issues stated in your concept description.
- A drawing depicting urban strategies, 1 plan and 1 section: 1:400 -1:1000 or as required by the project scale.
- A conceptual 3d visualization of the proposal (3d digital models, collage
- A physical model of the site and the conceptual model of the proposal at urban scale (1:400 to 1:1000) The presentation format for the final presentation will include a power point presentation of all individual work and printed material. All relevant video and photographic material dealing with analysis and the proposal is to be presented.

### b) Examination

80% närvaro. Studenten ska aktivt ha deltagit i ritsalsundervisningen och vid föreläsningar och seminarier etc., samt ha godkända deluppgifter och slutpresentation. Deltagande vid kritikgenomgångar är obligatoriskt.

Kompletteringskrav: Arbetet skall utföras, och i förekommande fall kompletteras, inom given tidsram. Se generella anvisningar.

(Grundprincip: Höstterminsprojekt skall ha blivit godkänt senast vid påföljande vårtermins slut; vårterminsprojekt senast fore påföljande hösttermins start. Materialet skall lämnas in minst en vecka dessförinnan.)

Projektet ska dokumenteras i en portfölj. Ritningar och samtliga analyser och modeller ska finnas med i dokumentationen. Processen ska redovisas.

## Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.