

Networks | Systems | Environments | Near Futures

COURSE SYLLABUS

Faculty

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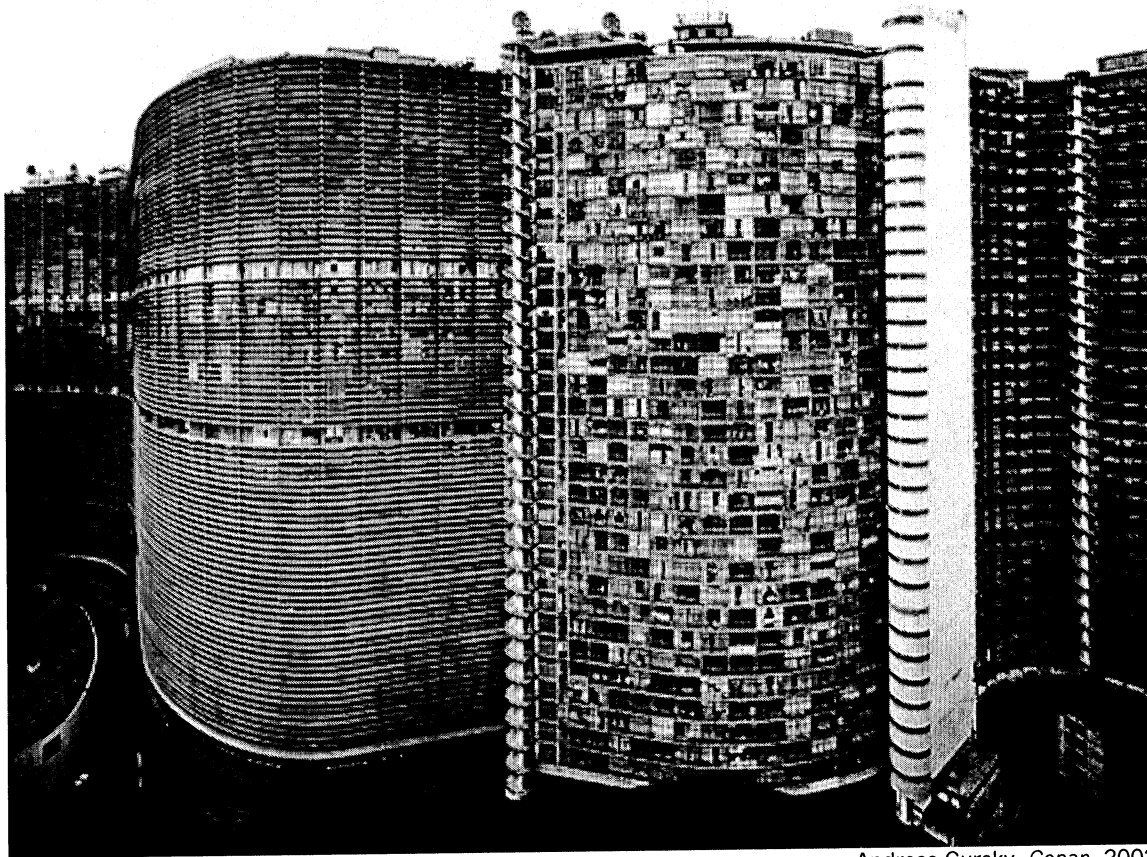
Teaching Assistants

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Andreas Gursky, *Copan*, 2002

ARCH 685 is a research laboratory whose design subject, mass housing, will be the medium deployed to investigate a near future of high density, low carbon, cultural flexibility. Scales of research will traverse the home and workplace to its aggregates, the city and region.

Given the population explosion of the twentieth century — two hundred thousand a day, a billion every twelve or fifteen years now — the flip side of the global housing problem is an ecological one. Extreme environmental degradation, massive species collapse, a two to five degree world: it would read as science fiction if it weren't planned by bureaucrats and politicians to occur in the next twenty years. This is the deliberate failure of Copenhagen.

For citizens, condo living is deeply unsatisfying. A weak public realm (not to mention a dearth of civic space) has contributed to social powerlessness and the disengagement and deterioration of communities. A firm cultural division between man and nature continues to sustain concepts such as the equation of prosperity with economic growth.

Gradations and variations of private, public, civic and other spaces; hybrid, high density, infrastructure rich housing; a lakeside site of natural beauty and intense physical and cultural resources.... If not here, and now — then where? And when?

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1.0 PEDAGOGICAL GOALS / OBJECTIVES

Though not intended to be exhaustive, the research will expose students through the curricula to the following objectives and successful completion of the term will demand that you skilfully demonstrate knowledge of and engagement with:

- The development of architectural frameworks for collective life, including technical and use-related requirements of inhabitation and building code, as well as technologies and intimate artefacts that enhance individual and collective experience.
- The understanding of what constitutes the collective domain and of boundaries, thresholds and spaces that define it.
- The relationship between public programmes, built form and urban spaces, and the status and role of public space in relation to buildings.
- The environmental, contextual and regulatory constraints and opportunities of urban sites and the responsiveness of a building to those issues.
- Sustainable design and construction practices with special emphasis on proposals that enhance human habitation, indoor comfort, collective interests and site conditions.
- The relationship of interior and exterior space.
- Expanded awareness of perspectives in contemporary architecture and urbanism with respect to the collective domain, public buildings.

2.0 PROJECT OUTLINE AND SCHEDULE *(see calendar appended to end of document)*

The term will consist of one cumulative project in concert with ARCH 684 Architectural Design, divided into five sub-projects, each graded individually:

Project IA	Analysis: Networks, Systems, Environments 2 weeks (January 5 th – January 19 th)	10% of Final Grade
Project IB	Transformation: Near Futures 2 weeks (January 19 th – February 1 st)	10% of Final Grade
Project 2	Transformation: New Culture of the Body 3 weeks (February 1 st – March 2 nd less reading week)	20% of Final Grade
Project 3A'	Collective Housing: Massing Model and Location Plan 1 week (March 2 nd – March 9 th)	5% of Final Grade
Project 3A	Collective Housing: Home, Aggregation, City 2 weeks (March 9 th – March 23 rd)	25% of Final Grade
Project 3B	Collective Housing: Home, Aggregation, City 3 weeks (March 23 rd – April 12 th and April 13 th)	25% of Final Grade
Participation, Attendance, Growth		5% of Final Grade

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3.0 Resource Materials

Resource materials, relevant site data, lecture pdf's and all course handouts will be available digitally on the course folder on UW-ACE.

3.1 Books and Readings on Library Reserve:

Specific readings associated with each project will be placed on reserve in the Musagetes Library and will be identified in project handouts. The course text is *Density: New Collective Housing*, ed. Javier Mozas and Aurora Ferdinand Per. a+t ediciones. 2006

3.2 Faculty Lectures

The conception and design of collective space, community infrastructure and individual community buildings has a rich history, and has emerged as a central concern of architecture and urbanism within the modern period. A range of issues central to our discussions this term may be presented in lectures and case studies given by the studio faculty. Each student is expected to attend all faculty lectures, to take notes, to ask questions and to engage in the discussed material during your desk reviews.

4.0 Scheduling

ARCH 685 is scheduled as follows, however, sessions and reviews will inevitably run beyond 5:30 on occasion. Students are encouraged to ensure their availability and attendance at evening lectures and extended studio sessions.

Tuesday and Thursdays: 9:30 a.m. – 12:30 p.m. 1:30 p.m. – 5:30 p.m.

4.1 Participation

One of the principles of ARCH 685 is that everyone be involved in a critical and speculative dialogue with regard to their own work and the work of others. The studio will involve both attentive consideration and discussion of the work as well as intensive building and making during which participation in the evolving dialogue is essential to a student's success. Capacity as a critic of the work of others is a fundamental skill that will be further developed by each student over the course of this term. Presence and contribution to all aspects of the studio discourse will be noted and evaluated by studio faculty during the course of the term (5%) see 4.3. Students *are required* to be in the studio during the above scheduled hours and to attend and participate in all scheduled reviews and events. Chronic absence will be sufficient reason to request withdrawal from the studio.

4.2 Evaluation

Each assignment throughout the term will be assessed on the following basis:

- Ambition, clarity and appropriateness of the ideas manifest within the work.
- Architectural quality and technical resolution of the project.
- Precision and craft of drawings, models, and artefacts produced.
- Integrity in the development of the project from initial to final phase.
- Consistency and coherence of design ideas manifest in project execution.
- Graphic and verbal presentation of the work.
- Completeness of the work.

The specific details for the evaluation of each project will be identified in individual project handouts. Faculty will do their best to publish grades in a timely manner.

4.3 Grading

Students must complete *all* projects and assignments and obtain a passing average in order to receive credit for this course. *Failure to earn a passing grade in the final term design project will result in a failing grade for the term*, notwithstanding the cumulative mark from the preceding projects.

Project 1	20%
Project 2	20%
Project 3	55%
Participation	5%

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4.4 Deadlines and Extensions

ARCH 685 project deadlines can only be extended in the case of illness and incapacity. Requests for such extensions must be made before the project deadline, as soon as is possible, using the *request for extension* form available from the front office. Your request must be accompanied by a medical certificate when necessary, and must be submitted to the ARCH 685 coordinator directly, and in person during studio hours.

Late submissions without approved extensions will lose 10% of project value per day.

If you choose to produce computer drawings for any portion of a project's submission requirements, you must make early paper backups of your drawings. Last minute printing problems, lost or corrupt files will not be accepted as an excuse for late submissions. All work in this course must be presented physically regardless of your preferred working methodology.

4.5 Submissions

All work must be presented as hardcopy drawings and models during scheduled project reviews. Drawings will be formatted as physical panels unless otherwise specified. Specific lists of the requirements of each project submission will be included with individual project handouts. In addition, digital submissions will be required as a means to archive the work of individual students throughout the term. Please provide all files in .pdf or .jpeg formats on CD or DVD labelled clearly for these submissions. Submissions will be collected by Studio Teaching Assistants on deadline dates identified on each individual project handout.

4.6 Reviews

Please note that reviews are *instructive and not evaluative*. It is therefore important for each individual to participate in both the review of their own work, and in the reviews of the work of fellow students. *Participation* in all Class Reviews, Seminars, Group meetings, is mandatory.

4.7 Avoidance of Academic Offences

Academic Integrity: To create and promote a culture of academic integrity, the behaviour of all members of the University of Waterloo is based on honesty, trust, fairness, respect and responsibility.

Grievance: A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70 - Student Petitions and Grievances, Section 4, <http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm>

Discipline: A student is expected to know what constitutes academic integrity, to avoid committing academic offenses, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offense, or who needs help in learning how to avoid offenses (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course professor, academic advisor, or the Undergraduate Associate Dean. When misconduct has been found to have occurred, disciplinary penalties will be imposed under Policy 71 – Student Discipline. For information on categories of offenses and types of penalties, students should refer to Policy 71 - Student Discipline, <http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm>

Appeals: A student may appeal the finding and/or penalty in a decision made under Policy 70 - Student Petitions and Grievances (other than regarding a petition) or Policy 71 - Student Discipline if a ground for an appeal can be established. Read Policy 72 - Student Appeals, <http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm>

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4.8 Communications with the Course Coordinator and Faculty

During the course of the term, faculty may need to send communications to ARCH 392 students. It is required that you confirm your current active email address with Donna Wolcott, *Undergraduate Student Service Co-ordinator* during the first week of class. From time to time you will receive general communications from the coordinator regarding studio business. It is expected that you check your email address regularly. For official purposes, material sent to these addresses will be understood to be received by students at the time of its transmission. Copies of all official correspondence will be archived for future reference.

From time to time, you may receive less formal correspondence from individual faculty members regarding various issues pertaining to individual projects, review schedules etc. over the course of the term. We ask that students do not use email as a means of communicating with faculty members around specific studio project matters or personal issues. We expect that all discussions around projects or any other matter requiring direction, confirmation or advice from faculty will occur *during scheduled studio hours and individual desk reviews*.

Any official correspondence that must be addressed to the studio coordinator in an emergency situation (*such as those referred to in Section 4.4*) can be addressed to Scott Sørli at scott.sorli@gmail.com; other e-mail communications are discouraged and will likely not receive response. There are no scheduled office hours for consultation beyond the 16 hours of weekly scheduled class time for this course.