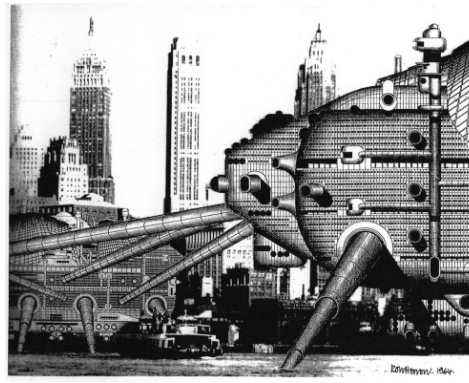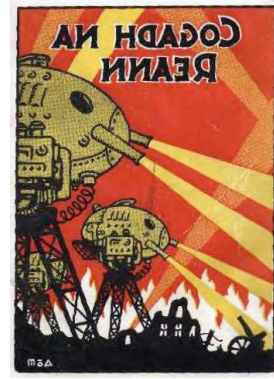images: Robert Frank, Los Angeles, 1956,   Ron Herron's Walking City,1964,   War of the Worlds 1913.

Approaches to architecture and urbanism 2019 course outline: Approaches to Architecture & Urbanism, F2019
Arch 3xx − 520 http://urbarc.wordpress.com/

Summary- The course provides a cross-disciplinary overview to approaches to architecture and urbanism. A series of topics are introduced, and students select, and/or combine approaches, to present seminars on selected topics, using a case study method and ideally linking the subject to an emerging master of architecture thesis in question. Using the tradition of illustration to link urbanism and architecture with other drawing and depiction modes, the final submission will take form similar to a short graphic novel illustrating an array of design principles. The work of contemporary architects, designers and artists, from artist Marcel Dzama's storyboard for filmmaking, to graphic novelists Julie Doucet (Montréal) or Seth (Guelph) to designers such as Archigram, BIG, Cedric Price, Neuteling (of Neuteling Riedijk) or OMA, cartoon-like drawings will be considered as prototypes and precedents for the final submission.

List of Topics in random order (to be selected in first seminar):

1. Engineering, infrastructure and architecture: Arup, Cecil Balmond, Buro Happold, Jürgen Conzett, Robert Maillart, Pier Luigi Nervi, Frei Otto, R. Buckminster Fuller, Marcel Smets, Morden Yolles, etc.

2. Urban and rural development, housing and architecture: Luis Barragan, Peter Barber, Tony Fretton, Stephen Taylor, Hans Kollhoff, Rapp + Rapp, Andrea Deplazes, Manhattan 1920s: Rosario Candela & James Edwin Ruthven Carpenter, Brian MacKay-Lyons Sweetapple, etc.

3. Media, Branding and architecture: Herzog & deMeuron, Jun Aoki, OMA-AMO, mediaarchitecture.org
Example of collective dematerialized creation: Coca Cola Lola: http://www.youtube.com/watch?v=v3dVN1J7Sa4

4. Urbanism, Municipal Politics and socially responsible architecture: Idlfonso Cerda, Barcelona; Jaime Lerner, former mayor, Curitiba http://www.jaimelerner.com/principal/index.asp , David Adjaye, Whitechapel Ideas Store, Rivington Place Cultural Centre, Shiguru Ban, Foster and Associates http://www.fosterandpartners.com/Practice/Default.aspx , MUF, Ken Shuttleworth/Make architecture http://www.makearchitects.com/kenshuttleworth/ , Richard Rogers

5. Journalism and architecture: Rem Koolhaas, Le Corbusier, Adolf Loos, Atelier BowWow, Yoshiharu Tsukamoto - Pet architecture, Bow-wow from post-bubble city http://www.bow-wow.jp/ http://www.archinect.com/features/article.php?id=56468_0_23_0_M

6. Digital Design culture

7. Art Practices: painting, sculpture, illustration, graphic novels and architecture: BIG- Bjark Ingels, Zaha Hadid, David Hockney, Diller Scofidio Renfro, Olafur Eliasson, Brigit Riley, cartoonists Seth (Gregory Gallant), Adrian Tomine, Frank Viva, Chris Ware, Sculptors Tony Smith, C Brancusi, etc. On Site specificity: Miwon Kwon, One Place after Another, MIT Press 2002.

8. Green Architecture and urbanism, Bio-Regionalism, Ecotopia: Kees Christaanse, William McDonough, Behnisch & Behnisch, Foster (Gherkin), KenYeang, Patkau Architects' Gleneagles Recreation Centre, etc.

9. Landscape, geography, Infrastructure urbanism and architecture: Patrick Geddes, Alberto Magnaghi, *The Urban Village,* Ian McHarg, James Corner/Field Operations, Weiss Manfredi- Seattle Sculpture Park, West 8, etc.

10. Monument and architecture: Mies van der Rohe, Herzog & de Meuron, Marcel Breuer, Alois Reigl, Eero Saarinen, etc.

11. Building, materiality, furniture and architecture: Pierre Chareau, Eileen Grey, Mésarchitectures, Peter Zumthor, Shim Sutcliffe, Patkau Biblithèque Nationale, Montréal, etc.

12. Urban Activism, Architecture and global change: climate, demographics, the expanding metropolis. Arjun Appaduri, Naomi Klein, Venice Biennale : Ricky Burdett, London School of Economics, Informal urbanism of Caracas, etc.

13. Conceptual Architecture and Urbanism: Cedric Price (design museum), Bernard Tschumi, Superstudio, Neutelings-Riedijk www.neutelings-riedijk.com/

14 Anthropocene issues Anna Tsing, Isabelle Stenger, see http://www.openhumanitiespress.org/books/titles/architecture-in-the-anthropocene/
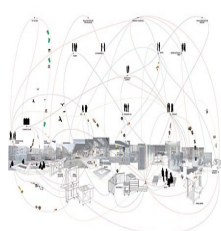
Optional course text: Ulrich Conrads, Programmes and Manifestoes on 20thC Architecture Cambridge: MIT Press, 1970
Manfredo Tafuri, *Architecture and Utopia. Design and Capitalist Development.* MIT Press [original text in Italian 1973]
https://modernistarchitecture.files.wordpress.com/.../manfredo-tafuri-architecture-and

Assignments: Seminars 40%; Attendance and Participation 10%; Design Ethos submission: 50%.
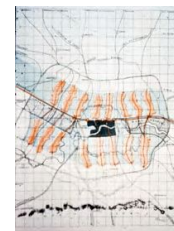End of term assignment: Ten points towards a Design Ethos: 10 Pictures and accompanying text for grad students: 10 images with explanatory captions indicating the direction of your thesis project to accompany the 10 references. Required: Demonstrate editing. Undergrad students: 5 images/5 references. The use of a combination of text and images, whether photographs, digital or hand-drawn, is a significant aspect of the seminar and submission.
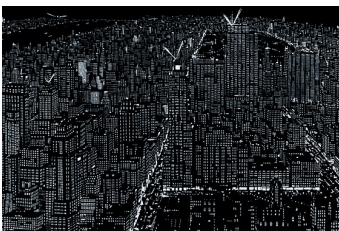
Images: Tony Robinson, New York Line by Line;   Ecobox, Paris 2005   Hilberseimer London Abercrombie
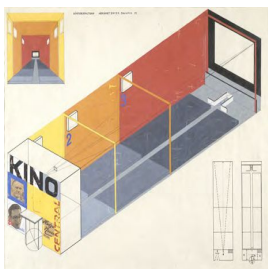
approaches to architecture and urbanism 2019

Cedric Price, Thinkbelt; OMA Alex Wall- Pleasure of Architecture La Villette1988; Ian Dingman, illustration, Thames Estuary Forts, WW2 London
Possible Building Visits Hespeler Library, Alar Kongats Architect or/ Perimeter Institute, Saucier+Perrotte/Teeple addition, Clay & Glass Gallery, Patkau; CIGI Waterloo, KPMB, T. Donnelly Centre for Cellular & Biomolecular Research, Behnisch & Behnisch Partners/Architects Allliance.

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http://www.0lll.com/lud/pages/architecture/archgallery/ito_serpentine/final/index.htm
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http://www.newyorker.com/reporting/2007/06/25/070625fa_fact_owen
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Oliver Wainright https://www.theguardian.com/profile/oliver-wainright   http://www.oliverwainwright.co.uk/
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Herbert Bayer, cinema 1924-5;   Roy Arden bonfire;   Gébé, cartoonist, France

UW course required information checklist: Course number: 3xx/520 title Approaches to Architecture & Urbanism Term&year: Fall 2019
Class days, times, building, room no. day x apm room 2026
Class instructor name, office, contact information, office hours M-P Macdonald, 3004 mpmacdon@uwaterloo.ca, appointment
Teaching assistant name, office, contact information, office, hour (if applicable): None Course description: see above
Course objectives: understanding of a range of approaches to and links interconnecting architecture, urbanism, infrastructure and landscape design and moving images and graphics.
Required text and/or readings: Choay, Françoise, Riley, Bridget and other readings, see above.
General overview of topic covered: Contemporary architecture, Contemporary urbanism, contemporary landscape, engineering and infrastructure design, contemporary illustration and graphic novel, contemporary moving image, and their inter-relations.
Evaluation structure for the course including course requirements, deadlines, weight of Requirements toward the final course grade: seminar and Design Ethos submission.
Acceptable rules for group work: not applicable to this course.
Indication of how late submission of assignments and missed assignments will be treated: No late assignments.
Indication of where students submit assignments and pick up marked assignments: Room no. 3004 or Email/UWACE
Any other element required by the program/department/faculty: one
Institutional required statements – Required statements that have to be published
With regard to academic integrity, listed below:
The following statements MUST be included in all course outlines and/or websites:
Academic Integrity: In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. [Check!www.uwaterloo.ca/academicintegrity/ for more information.] Grievance: A student who believes that a decision affecting some aspect of her/his university Life has been unfair Or unreasonable may have grounds for initiating a grievance. Read Policy 70, Student Petitions & Grievances, Section 4, www.adm.uwaterloo.ca/infosec/Policies/policy70.htm. When in doubt please be certain to contact the department's administrative Assistant who will provide further assistance. Discipline: A student is expected to know what constitutes academic integrity [check www.uwaterloo.ca/academicintegrity/] to avoid committing an academic offence, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or Undergraduate Associate Dean. For information on categories of offences and types of penalties, students should refer to Policy 71, Student Discipline, www.adm.uwaterloo.ca/infosec/Policies/policy71.htm For typical penalties check Guidelines for the Assessment of Penalties, www.adm.uwaterloo.ca/infosec/guidelines/penaltyguidelines.htm. Appeals: A decision made or penalty imposed under Policy 70 (Student Petitions and Grievances) (other than a petition) or Policy 71 (Student Discipline) may be appealed if there is ground. A student who believes he/she has a ground for an appeal should refer to Policy 72 (Student Appeals) www.adm.uwaterloo.ca/infosec/Policies/policy72.htm. Note for Students with Disabilities:The Office for Persons with Disabilities (OPD), located in Needles Hall, Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the OP at the beginning of each academic term. [NOT APPLICABLE while Turnitin does not detect graphic images: Turnitin.com: Plagiarism detection software (Turnitin) will be used to screen assignments in this course. This is to verify that use of all material and sources in assignments is documented. In the first week of term, details will be provided about the arrangements for use of Turnitin. Note: students must be given a reasonable option if they do not want to have their assignment screened by Turnitin. See: http://uwaterloo.ca/academicintegrity/Turnitin/index.html for more information.]
June 15, 2009 (updated November 20xx)
Late Penalty: No extensions will be given on presentations scheduled in class, and students who fail to present will be given a grade of 0%. Students who hand in their paper late will be penalized. There will be a penalty for papers handed in after the deadline. An additional penalty per day will be deducted for each calendar day after the deadline. Papers submitted after term end will be given a grade of 0%.