

ARCH 3105 STUDIO 5: COMPLEX PROGRAM II | Professor Vardy & Steenblik  
**Part to Whole — Global to Local**



Fort York National Historic Site Visitor Centre, Toronto / Patkau Architects + Kearns Mancini Architects

**Course Information**

Course Title: ARCH 3105 STUDIO 5: Structure  
Heterotic Architecture-Hybrid Buildings: Substructure, Superstructure, Infrastructure.

Course Number and Section: ARCH 3105, SECTION 01 & 02

Semester: FALL 2020

Course Meeting Days/Times: TBD by instructor

Course Meeting Location: Third Year Studio

Instructor Names: **David Vardy & Ralph Spencer Steenblik**

Office Location: GHK A219 / or WeChat

Office Hours: see *Keanwise*

Wechat ID: David\_Vardy | steenblikrs

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ARCH 3105 STUDIO 5: COMPLEX PROGRAM II | Professor Vardy & Steenblik

**Part to Whole – Global to Local**

In the first two years, the curriculum abstracted several components of Architecture (The site, the tectonics, the program) and separated the work at different scales. The third year aims to combine the different components of Architecture and have the students work at different scales. While the first two years had a modernist approach (take one element of the Vitruvian triad as the design agenda), the third year will have students take both a pre-modernist approach, where Architecture and engineering issues are treated at the same time (as it is the case in Vitruvius or Alberti treaties, which talk about proportion), and a postmodern approach where program is multiple, complex, hybrid, and the occasion of design manipulation.

The first year focussed on the relation between buildings – outside-in (ARCH 1101) – or the constructive aspect of Architecture – inside out (ARCH 1102) – and the second year focussed on how the large scale informed the architecture Design whether in the horizontal dimension (ARCH 2103) or the vertical dimension (ARCH 2104). During the first semester of the third year, students will work at both large scale and smaller scale, both from inside-out and outside-in, both with the site and the program, both with tectonics and typological issues.

The courses keep in mind the public agenda of the school. The semester uses the first section as a research output, publicly exhibited, to then be analysed within the design of the second stage of the semester. The early focus being a small scale adaptable housing unit. We will be producing competition entries for the [Empowered Living Design Competition](#). The competition provides the option for two sizes (400sf & 650sf). It also asks you to consider one of three site conditions: A standalone site, a cluster site, or variations on the accessory dwelling site (please see page 3 of the brief for more details). Our interest in a small scale residential unit is in the details - working out the logistical requirements of the competition to produce a cutting edge residential unit. These efforts will be important in the development of the final half of the semester. Submission is not mandatory but is highly encouraged. Based on the competition brief there will be emphasis on the following: Affordability, Durability, sustainability, livability, and accessibility. We will be using the [2015 International Residential Code](#) as the basis for the design guideline. See [IRC Tiny House revisions](#).

**The project requires the following:**

- Sleeping Space
- Living Space
- Cooking Space
- Bathroom space including sink, shower, and toilet at a minimum
- Spaces to accommodate storage needs

**Mid-term Review Requirements October 15th:**

200 Word Short Description

One jpg image that describes your project

1500 Words Maximum

“Provide a thorough description of your design concept, providing information as to how it addresses the five criteria outlined above. While a cost breakdown is not required, an estimate of the costs of construction should be included within the narrative.”

Presentation Board (30”x42” ARCH E1)

Minimum requirements: floorplan, building elevations, section cut, 3D representation of the design, and site plan.. Board should represent the design and provide graphics and text in support of the narrative and the five competition criteria.”



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KEAN UNIVERSITY MICHAEL GRAVES COLLEGE SCHOOL OF PUBLIC ARCHITECTURE

ARCH 3105 STUDIO 5: COMPLEX PROGRAM II | Professor Vardy & Steenblik

**Part to Whole — Global to Local**

## RESOURCES:

<https://thetinylife.com/ryans-tiny-house/tiny-house-building-checklist/>

<https://thetinylife.com/tiny-house-design/>

OneDrive Shared Folder:

[https://wzku-my.sharepoint.com/:f:/g/personal/spencers\\_wku\\_edu\\_cn/EnSJFOHW3xxOqbGn2M7EMYEB5SLHbMF0ZQtWZ35SaWQiLw?e=HOVz4I](https://wzku-my.sharepoint.com/:f:/g/personal/spencers_wku_edu_cn/EnSJFOHW3xxOqbGn2M7EMYEB5SLHbMF0ZQtWZ35SaWQiLw?e=HOVz4I)

*The Terrifying Beauty of the Twentieth Century*, R. Koolhaas, 1985

"We have never been modern", B. Latour, 1991

*On Typology*, R. Moneo, 1978

*Sub-urbanism/ Super-Urbanism: From Central Park to La Villette*, S. Marot, 2006

*Definitive Instability: The Downtown Athletic Club*, R. Koolhaas, 1979

*Hybrid Buildings*, J. Fenton, 1985

*Bigness, or the Problem of Large*, R. Koolhaas, 1994

*What Ever Happened to Urbanism?* R. Koolhaas, 1994

*Terra Fluxus*, J. Corner, 2006

*Toward and Urban Landscape*, K. Frampton, 1995

*A Mater of Things*, M. Sola-Morales, 2008.

*Quantum Leap*, R. Koolhaas, 1994

O.M.A, Koolhaas R., Mau B, S,M,L,XL, The Monacelli Press, 1994

Fenton J., *Hybrids Buildings*, Pamphlet Architecture 11, 1985

Alonso E., *L'Architecture de la Voie, Histoires et Theories (The Architecture of the Road, History and Theories)*, Parenthese, 2018

Waldheim C. (dir.), *The Landscape Urbanism Reader*, Princeton Architectural Press, 2006



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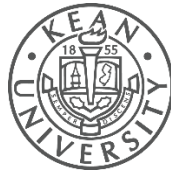
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**SCHEDULE** (This schedule is flexible to address the needs of the studio, as revisions and iterations are necessary, some assignments may be revisited for further clarity of the ideas presented):

|                |  |  |             |
|----------------|--|--|-------------|
| 2021 Fall Term | Aug. 31 – Dec.17, 15<br>Teaching Weeks           |  |             |
|                | First Day of Class in Fall Term                  | Aug. 31 <sup>st</sup>                        | Tue.        |
|                | Last Day to Add/Drop Courses                     | Sep. 13 <sup>th</sup>                        | Mon.        |
|                | Class on Monday Schedule                         | Sep.18 <sup>th</sup>                         | Sat.        |
|                | Mid-Autumn Festival (No Class)                   | Sep.19 <sup>th</sup> – Sep. 21 <sup>st</sup> | Sun. – Tue. |
|                | Class on Tuesday Schedule                        | Sep. 26 <sup>th</sup>                        | Sun.        |
|                | National Day (No Class)                          | Oct.1 <sup>st</sup> – Oct.7 <sup>th</sup>    | Fri. – Thu. |
|                | Class on Monday Schedule                         | Oct.9 <sup>th</sup>                          | Sat.        |
|                | Last Day to Withdraw from Courses with "W" Grade | Nov.1 <sup>st</sup>                          | Mon.        |
|                | Final Review Week                                | Nov 29-Dec 4                                 | Mon-Sat     |
|                | Last Day of Class in Fall Term                   | Dec.17 <sup>th</sup>                         | Fri.        |

See <https://www.kean.edu/offices/registrars-office/academic-calendar> for other important dates or refer to Fall Semester Academic Calendar at the end of this Syllabus.



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ARCH 3105 STUDIO 5: COMPLEX PROGRAM II | Professor Vardy & Steenblik

**Part to Whole — Global to Local**

**Methods of Assessment and Student Responsibilities:**

- A. Review of studio assignments
- B. Performance-based assessment of graphic assignments
- C. Self-and peer-evaluation
- D. Evaluation of critical thinking skills
- E. Written assessments

In addition, the following criteria will guide the determination of the student's Final Grade:

- |                       |     |
|-----------------------|-----|
| 1. Studio Assignments | 10% |
| 2. Mid-term           | 45% |
| 3. Final              | 45% |

Grading is based on careful consideration of all the factors listed above and evaluation of all class assignments and course requirements. Please be aware that unexcused and/or excessive absence from class will also impact your grade. Students are responsible for all assignments, even if they are absent. Late assignments, failure to complete the assignments for class discussion and/or critique, lack of meaningful contribution to class discussions or active participation, and lack of preparedness for in-class discussions, presentations, pinups, and/or critiques will jeopardize your course evaluation.

Final grades will be determined by a combination of quality as assessed against all assessment criteria, participation, and individual student growth and performance in determining your final grade. Students need to maintain a Grade Point Average of 3.0 or better to remain in the Program. Students enrolled in the ARCH, BFA and BID [design] programs are required to maintain a 3.0 grade point average in major requirements to continue in the program and to receive the degree. See page 240 in the catalog for more information:

<http://www.wku.edu.cn/en/org/office-of-registrar/undergraduate-catalog/>

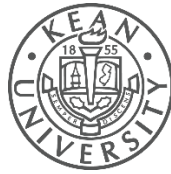
Kean University's Grading Policy is based upon a 4.0 Grade Scale. Kean University's Grade Scale is as follows:

**Grade Description**

A Excellent  
A- Excellent  
B+ Good  
B Good  
B- Fair  
C+ Fair  
C Poor  
F Fail  
IN Incomplete  
CG Complete  
AF Administrative Failure AU Audit  
W/WD Withdrawn NC No Credit

**Mid-Term Progress:**

Information will be provided to students by the instructor via KeanWise. Please see the 2019-2020 Undergraduate or Graduate Catalog for more information.



**KEAN UNIVERSITY MICHAEL GRAVES COLLEGE SCHOOL OF PUBLIC ARCHITECTURE**

**ARCH 3105 STUDIO 5: COMPLEX PROGRAM II | Professor Vardy & Steenblik**

**Part to Whole – Global to Local**

**Studio Requirements/Policies:**

The Michael Graves School of Architecture Studio Culture Policy is dedicated to creating the best educational experiences and design environment for every School of Architecture student. The Michael Graves Architecture Studio space is a place of learning and research that is designed to stimulate intellectual and social interaction among students, faculty, staff and invited guests. Undergraduate and graduate students from Architecture, Interior Design, Graphic Design, and Industrial Design degree programs work side-by-side to foster a context of interdisciplinary exploration, innovation and collaboration.

**Respect:**

Faculty members have the right to expect that each student will value, and thus benefit from, the diversity afforded by each individual classmate. These opportunities include differences in cultural history, formal education, ideas, religious beliefs, and experiences.

Because the Michael Graves Architecture Studio space is an open space of interaction, and it is imperative for all students, faculty, staff and guests to behave with the utmost respect for each other. Members of the School of Architecture community come from diverse backgrounds, geographical locations and cultural foundations, and the studio space is a place for diverse opinions and design solutions to be shared as an essential core of our Studio Culture Policy. The process of reconciling differences among diverse attitudes is of paramount importance as a designer and as an aspiring professional in our increasingly globalized world.

**Be Mindful of your Coworkers and Colleagues:**

Be respectful to those around you to avoid havoc of any kind. Studio is a family-orientated environment.

Overtime, you will adapt to each other and the workplace, as if it is your home. As per your colleagues, treat others with respect and with hospitable gestures.

All studio sections and/or grade levels are here to help one another, so please take that into consideration. Our suggestions and communications toward each other should not hinder one's designs or concepts. We are a team, and as one we ultimately have a goal of being successful at something through design. Let's make our semesters to come worth achieving, and do not hesitate to ask a friend.

**-Academic Integrity:**

It is expected that all students in the School of Architecture will abide by both the Kean University Code of Student Conduct and Academic Integrity Policy. The policy states, "Maintaining high standards of academic integrity is the obligation and expectation of all members of the Kean community – students, faculty, staff, administrators and Board of Trustees. It ensures the application of the highest academic standards and principles of conduct, honesty and truth. An individual's work must reflect that person's own efforts and achievements. Any collaboration of effort by an individual or groups of individuals must be acknowledged. Failure to acknowledge such contributions constitutes an act of dishonesty and a misrepresentation of the individual's work."

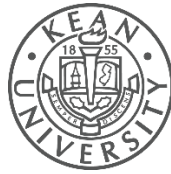
**There shall be NO:**

**-Discrimination** In this respect, the Michael Graves School of Public Architecture shall prohibit any discrimination and guarantee to all persons equal and effective protection against discrimination on any ground such as race, color, sex, language, religion, political or other opinion, national or social origin, property, birth or other status.

**-Alcoholic Beverages, Drugs, or Smoking / Vaporizers** in the Building Kean University is a dry campus. The use of alcoholic beverages on campus is strictly not allowed and will be followed up with disciplinary action. Smoking in studios including: cigarettes, vapes, hookahs, etc. Basically, any device admitting smoke or vapor. It is disruptive and inconsiderate. Please go outside of the building to partake in your smoking recreation time.

**-Stealing/Confiscating, or Damaging Other's Materials/Projects.** Make sure to label your belongings; personal objects, tools, etc. Michael Graves College is not responsible for the lost or damage of one's items.





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ARCH 3105 STUDIO 5: COMPLEX PROGRAM II | Professor Vardy & Steenblik

**Part to Whole – Global to Local**

- Horseplay during the time at which students are focusing or working on projects. This includes playing, loud noises, screaming, loud music, video gaming, tackling, etc. The disturbance and corruption to one's work may result in further punishments.
- Barefoot, Socks, Half or Whole Nudity. You need proper footwear when you're in the studios or in the building, and for your own safety. We understand that studio may feel like your home away from home, but This is a professional workplace. There is a serious hygienic issue when proper foot attire is not being worn. Clothing must be worn at all times.
- Leftover Food & Beverages. Preliminarily, after designated studio hours. Each student should not leave something that can eventually create a foul odor to the environment or bring in unwanted critters. Eating is permitted, but the cleaning up process should be advocated as well.
- Spray Painting inside of the Green Lane Academic Building. Spray Painting should be done outside of the building or away from the site of Green Lane. Sprays, permanent stains, washes, etc. should be used with a reliable tarp. Whether a team of students or the individual is working on a project, you will be sentenced to further punishments doing so. Be mindful of where you are spraying; do not spray in: entrances, exits, parking lots, bathrooms, halls, classrooms, desks, etc.
- Hazardous Chemicals or Fires in the building. Be mindful that there are other people in the studios and in the building. The following items are strictly prohibited: candles, electronic diffusers, waxes, scented oils, incense, primers, epoxy. etc. If it has a "danger" warning on the object you are going to use and it says that it needs proper ventilation, DO NOT USE IT IN THE BUILDING.

Rules to be followed after designated Studio Hours: In addition to stated above:

- You must have your Kean id to swipe into the building after hours
- Do not 'prop' the door or open the door for others. The Police are able to open the doors physically and electronically.
- Do not visit the 6th Floor. Or any floor that isn't a designated studio space

**Important University Policies and Information:**

Students are responsible to review and understand the University Academic Integrity Policy (available at the Center for Academic Success or at: <http://www.kean.edu/admin/uploads/pdf/AcademicIntegrityPolicy.pdf>)

Students should review the Student Code of Conduct, as it discusses expectations of appropriate conduct in the classroom: <http://www.kean.edu/KU/Code-of-Conduct>

**Americans with Disabilities Statement & Non-Discrimination Statement:**

Kean University is an affirmative action, equal opportunity institution. Students with documented disabilities who may need special instructional accommodations or who may need special arrangements in the event of an evacuation should notify the instructor as soon as possible, no later than the second week of the term. Students may contact the Office of Disability Services to discuss special needs.

**Title IX:**

Title IX of the Education Amendments of 1972 (Title IX) prohibit discrimination on the basis of sex in education programs or activities. Sexual harassment in any form will not be tolerated at Kean University. Sexual harassment by students should be reported to the Office of Affirmative Action Programs, Office of the Vice President for Student Affairs or the Office of Community Standards and Student Conduct immediately. Information about the University's Sexual Misconduct Policy may be found at the following: <http://www.kean.edu/policies/sexual-misconduct-policy>.

**Wenzhou-Kean University Non-Discrimination Policy:**

Wenzhou-Kean University is an affirmative action, equal opportunity institution.