

Network

2023/24



NETWORK is an annual publication of the Faculty of Architecture at the University of Manitoba, Winnipeg, Canada.

Environmental Design Program
Department of Architecture
Department of City Planning
Department of Interior Design
Department of Landscape Architecture
Ph.D. in Design and Planning

The Faculty of Architecture aspires to offer widely recognized and highly valued design and planning undergraduate and graduate programs that promote a respectful, collegial, interdisciplinary culture of teaching, scholarship, and service within the University and beyond.

NETWORK welcomes articles, comments, and information related to issues affecting the design community.

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Recommended Reading

Studios

EVDS 2500/2900
P1 - Body / P2 - Process / P3 - Material /
P4 - Living

Studio NEAR... Far
EVAR 3010, Liane Veness

Violent Wild Iris
EVAR 4004, Kailey Kroeker

**Winnipeg Rail Museum, Hotel
+ VIA Rail Headquarter Office**
EVAR 4004, Zach Pauls

Becoming Animal
EVAR 4010, Lancelor Coar + Shawn Bailey

URB & CIVIS: Downtown Winnipeg

EVAR 4010 / CITY 7430, Dr. Richard Milgrom,
Dr. Carlos Rueda + Amanda Reis

Project: Object
EVIE 3008, Amanda Reis + Heather Wallis

**Reimagining The Modern Library as A
Multimodal Civic Hub**
EVIE 3008, Umid Abdullaev + Amanda Reis

Alluvial Forests
EVLU 3008, Dietmar Strab + Anna Thurmayr

Emergent Futures
EVLU 4014, Frits Van Loon + Yuhau Lu

MIN / MAX LIVING
ARCH 7060, Neil Minuk + Brian Rex

**Ligneous Artefacts for Lake Manitoba's First
Nation's new green heart**
ARCG 7102, Dietmar Straub

Research

Susan Close
Photographic Purlieus: Intersections of
Photography with the Built Environment

Jason Shields

Dietmar Straub + Anna Thurmayr
The Taste of Chlorophyll

Brenda Brown
Manitoba Farmstead Shelterbelts: Stories of
Land, People and Dwelling

Alan Tate + Marcella Eaton
Designed Landscapes

Lawrence Bird

IE/ID

Courses

Drawing: Freehand/Digital
EVAR 3014, Zach Pauls

Communication for Architects
ARCH 7000, Zach Pauls

Frozen Structures / Fluid Forces
ARCH 7000, Lancelor Coar

Indigenous Peoples and Community Planning
EVLU 4006, Sarah Cooper

**Construction Materials + Barkman Design
Competition**
EVLU 4002, Glen Manning

Ecology + Design 2: Animal + Landscape
EVLU 3012, Brenda Brown

Digital Mapping and Analytics
ARCG 7080, Yuhau Lu

Exhibitory Contexts
EVDS 3710, Ainsley Johnston

**Building Virtual Worlds: Users, Techniques and
Tools**
ARCG 6102/COMP 7570, Jason Shields
+ Dr. Celine Latulipe

Connectivity

C.A.S.T.
Liane Veness, Coordinator

CADLab
Chris Leigh, CADLab Coordinator of computing

CP

Product Catalogue Collection
Suzanne Therrien-Richards, Coordinator

Student Associations

Events + Outreach

Cultural Events 23/24

Ceremonies + Feasts

Architecture2 Gallery

23/24 Award Recipients

Gold Medal Recipient
Izabela Rachwal

Endowment Fund Recipients

ED2

L+U/LA

INTER.



Faculty Reports

Letter from the Dean



Image:
Mira (Mimi) Locher
pictured in front of
a grey background.

Mira (Mimi) Locher, Dean

After getting used to being back together in person during the 2022-23 academic year, 2023-24 was full speed ahead for the Faculty of Architecture! The buildings buzzed with activity, and we hosted an exciting schedule of lectures, workshops, and exhibitions.

Looking back at the year, we can say that it was a year of reflection and growth. In his second year with the Faculty, Elder-in-Residence Valdie Seymour guided us in thoughtfully marking the passage of time by leading seasonal ceremonies. Elder Seymour's teachings continue to guide us on our path toward a deeper understanding of the truth and meaningful acts of reconciliation.

To that end, we began work on a Faculty of Architecture Reconciliation Action Plan, which will be informed by the University's Reconciliation Action Framework, scheduled to be released in Fall 2024. The Reconciliation Action Plan will be a roadmap to support the Faculty in advancing Reconciliation through our teaching and co-curricular activities and will guide our relationships with Indigenous communities and partners.

Students, staff, faculty, alumni, and local professionals were invited to join our effort as part of a working group, led by Assistant Professor Sarah Cooper and staff representative Brandy O'Reilly. Indigenous students and alumni together with Indigenous Scholar Shawn Bailey and Elder Seymour were invited to participate as a leadership circle, which provides guidance and advice to the working group. We continue the purposefully slow and careful process

of the Reconciliation Action Plan by considering what Reconciliation means to each of us as individuals, while also gathering information on what we already are doing toward Reconciliation.

We also continued our work on the Faculty of Architecture Strategic Plan, reflecting on our strengths and assets and imagining how we would like to build on them in support of our teaching, research, and service activities. Faculty, staff, and students shared their ideas and understanding of what our values are, what makes us unique, and what goals we share for the future of the Faculty. The University's Strategic Plan 2024-2029 was released in June 2024 and will serve as a touchstone for the FAUM Strategic Plan, as we finalize it in the 2024-25 academic year.

Another important reflection exercise was the self-study for University's Academic Program Review of the Environmental Design Program. The University reviews all academic programs every eight years, and with six programs in our Faculty, we have a review almost annually. The results of these reviews are finalized in the summer and become the basis for further discussion and action. Building on the great effort put into the review by the Environmental Design faculty, we are planning a series of faculty-wide discussions to address what undergraduate education in our disciplines should be today, as part of our efforts to continuously improve curricula, communication, and governance.

During the year we also have been formulating a Community Design &

Planning Centre (CDPC), which will be a hub for community engaged research and projects in the Faculty of Architecture and will provide equitable, accessible, inclusive, and multicultural design and planning assistance for underserved communities and non-profit organizations in Manitoba. In June, the CDPC received a grant from the UM Strategic Initiative Support Fund for a pilot year in a downtown space.

During the summer, we will be looking for a space to rent where we can host lectures, workshops, and events, and as well as run the annual winter-term urban design studio. Current projects in the CDPC include community engagement for affordable housing strategies with the Spence Neighborhood Association, design workshops with kids at Art City, and research on the social role of bus shelters. We thank all the staff and volunteers who are working hard to establish the CDPC!

At the end of the winter term, we opened our doors to the greater community to share and celebrate student work in the annual Year End Exhibition. Music and laughter filled our buildings, as hundreds of guests joined us to applaud the achievements of the students and faculty in a properly festive end to the 2023-24 academic year.

Now that the projects have been taken down and the rooms are empty, we reflect on all that was achieved this year and look forward to an exciting, productive, and engaging year ahead.

Faculty Updates

Image:
Susan Close pictured
at Parc de Buttes-
Chaumont, Paris.

Susan Close, Associate Dean (Academic)

During the academic year 2023-24, the Faculty of Architecture returned as an in-person community and settled into our studios, classrooms and offices. Students, staff and teaching faculty were excited to be back in person, and the halls quickly buzzed with conversations. Our buildings came back to life with active students, staff and faculty. Field trips resumed; faculty and students could travel widely nationally and internationally for courses and studios. Student exchanges resumed, and we hosted international students while our students travelled to study at universities abroad. Travel for research also resumed, and faculty took advantage of being able to present at in-person conferences again.

As with any challenging experience, we came back after COVID with new perspectives and skills, which helped us become more flexible in our educational approaches. Our FAUM community used technology innovatively to meet and exchange ideas in a hybrid manner and more easily attend design events locally, nationally and internationally. For example, the Atmosphere Conference and Cultural Events held hybrid talks and presentations that brought the faculty and the local design community together with international speakers in Centre Space without the price of airfare.

Some of the other events and programs that occurred during the past academic year follow:

Academic Writing Tutor

Our embedded writing tutor program continued to provide a tutor with a design background to assist students with academic and professional writing issues. John Harper, who has a Master of Landscape Architecture degree and is an Environmental Design sessional instructor, has been our writing tutor for the past two years. This service is popular with undergraduate and graduate students who consult with John on various writing assignments, including papers, thesis, and practicum projects.

Embedded Student Counsellors

FAUM's embedded Student Counselor program continued in 2023-24. Dr. Tim Osachuk and Linda Churchill were available twice a week through the fall and winter terms to assist students with mental health concerns and advise instructors on how to help students succeed.

Academic Integrity Architecture Pilot Project

The Academic Integrity Architecture pilot project, modelled on what was developed by the Faculty of Arts, was introduced in the Fall term of 2023. Tara Vogelsang, Carrie Johnson, and I presented an online information session to launch the program.

This project makes dealing with minor infractions of academic misconduct simpler and less time-consuming for students, instructors, and administrators.

Teaching Workshops and Events Orientation for New Faculty and Sessional Instructors

An online orientation coordinated by Brandy O'Reilly and led by Dean Mimi Locher welcomed new faculty and sessional instructors and provided an overview of crucial information for the academic year 2023-24.

Academic Integrity and Artificial Intelligence Presentations

Brenda Stoesz, the Centre for the Advancement of Teaching and Learning (CATL), facilitated two online artificial intelligence (AI) presentations for FAUM instructors to discuss issues and answer questions about AI and academic integrity.

In conclusion, I want to acknowledge all the dedicated instructors, support staff, and administrators who have worked together this past year to facilitate an exceptional learning environment in the Faculty of Architecture. This report will be my last as the Associate Dean Academic, after serving in the role since 2020. Many thanks to all the FAUM community members I have worked with over the past four years.



Environmental Design



Jae-Sung Chon,
Department Chair

Image:
Jae-Sung Chon
pictured at HutK.

The 2023-2024 academic year was a period of reflection for the Environmental Design Program. As part of the University-mandated Academic Program Review, we engaged in a collaborative process of introspection and evaluation. This routine exercise allowed us to collectively examine our program's history, assess its current state, and plan for its future.

The review process highlighted the interconnectedness of interests, goals, and opportunities within our faculty, which includes six distinct programs: Architecture, Environmental Design, City Planning, Interior Design, Landscape Architecture, and the PhD program. This integration prompted us to ask fundamental questions: "What do we envision for our undergraduate program?" and "What unique learning and research opportunities can the Environmental Design Program offer in relation to other programs?" These questions, though challenging, are essential for sparking meaningful discussions, particularly in light of the University's Strategic Research Plan, which emphasizes Foundations, Social Justice and Human Rights, Research by/for Indigenous Peoples, Water and Food Security, Health and Well-Being, Climate Action, and Regional Engagements. The Environmental Design Program is now better positioned to address emergent social and environmental challenges, working alongside our professional programs to make a meaningful impact.

In parallel with this reflective process, our faculty members have actively engaged in scholarly and professional activities that have brought distinction to the program. Senior Instructor Kim Wiese curated the annual "Made In House" exhibition, showcasing an impressive array of in-faculty works produced through the FABLab. Her participation in FABRICATE 2024 at the Royal Danish Academy in Copenhagen further connected our faculty with cutting-edge works from a global network of makers.

Instructor Katherine Isaac contributed to the Teaching Café, "Journeys into Experiential Learning," organized by CATL, where she shared insights into the innovative teaching practices within our program. Additionally, Katherine Isaac was awarded the Hope McKenzie Award from The Professional Interior Design Institute of Manitoba (PIDIM), recognizing her significant contributions to Manitoba's interior design community, effectively bridging the Department of Interior Design and practice. Instructor Leanne Muir represented the program at the Canadian Society of Landscape Architects (CSLA) hosted 'Intersections Summit' in Saskatoon, engaging in critical discussions on Climate, Equity, Diversity, Inclusion (EDI), and Reconciliation. Muir's ongoing involvement in the faculty-wide special interest research project, "Calendar of Ceremonies," led by Elder Valdie Seymour and Professor Sarah Cooper of City Planning, exemplifies our commitment to interdisciplinary collaboration. Her recognition as a recipient of the 2024 Students' Teacher Recognition Award, organized by CATL, is a testament to her dedication to education.

Instructor Ryan Coates collaborated with Professor Jean Trottier on "The Little Forks: Winnipeg Candidate National Urban Park Study," which received the CSLA Award of Excellence in Research, underscoring the importance of integrating urban and natural systems. Together with sessional instructor Dale Wiebe, Ryan Coates also received an honorable mention in the LA+EXOTIQUE design competition from LA+ Interdisciplinary Journal of Landscape Architecture for their proposal titled "Exploration Grounds." Professor Mark Meagher continued his innovative research with Aarhus University on "Towards AI-Supported Workflow for Upcycling Wood Production Waste," securing funding from UM Libraries to publish an extensive image dataset from his "Wild Winnipeg" project in

collaboration with Professor Kamni Gill. Additionally, Meagher obtained the Strategic Initiative Fund to enhance the teaching environment through the "Teaching with Digital Design Artefacts" initiative. His work, alongside Professor Jason Shields, was featured in the 2024 Emerging Researcher Spotlight, further elevating our faculty's profile.

Our sessional instructors have also made noteworthy contributions. Ainsley Johnston contributed to an exhibition featuring the work of Herzog & de Meuron, showcased at the Royal Academy of Arts in London, which is a significant achievement. Jacqueline Young's role as a juror for the 2023 Canadian Architect Awards highlights the high regard in which our faculty members are held within the profession.

Our alumni continue to excel on national and international stages. Galen Johnson's (B.EnvD'12) film, co-created with Guy Maddin, "RUMOURS," was invited to the Cannes International Film Festival. Kent Mundle (B.EnvD'15) received the 2023 TRANSFER Architecture Video Award for his film "Subdivided Lives: Portraits from the Kathmandu Valley." Alena Beth Rieger (B.EnvD'17), now a PhD fellow at the Oslo School of Architecture and Design (AHO), was awarded the prestigious J.B.C. Watkins Award in Architecture by the Canada Council for the Arts. Additionally, alumnus Ben Klumper (B.EnvD'93) and his firm, Modern Office of Design + Architecture, were awarded the Prix de Rome in Architecture, further demonstrating the global impact of our program.

The Environmental Design Program continues to attract and nurture talented students. In the fall of 2023, we welcomed 102 new students, and in 2024, 108 students joined the program. Our strong graduation rates, with 83 students graduating in 2023 and 71 in 2024, reflect the program's

strength and the dedication of our faculty. Students are also benefitting from expanding opportunities for international exchange, with participants studying at institutions such as KU Leuven, TUM, Osnabruck, and the University of South Australia. Our co-op program continues to provide valuable work placements, further enhancing our students' practical experience.

As we look forward to 2024-2025, we are excited to engage in faculty-wide discussions to explore the latent opportunities within our program and the broader faculty community. These discussions, while partly a response to the 2023 Academic Program Report, will also celebrate the possibilities within our community and our deep connection to the People and Land of our region. Throughout these conversations, we will continue to honor the 'human-centered' focus of our professional studies while also embracing the Environmental Design's expanding role in the 'more-than-human world.'

Department of City Planning



Image. Richard Milgrom photographed at Parlour Coffee in the Exchange District.

The 2023-incoming students included more international students than we have had for some years, four from Ghana and one from India in a cohort of 14. In recent years, international students have had some challenges getting study permits to join us, so we were pleased that so many were able to make their way to Manitoba.

Changes in the Department for the year included the official retirement of Dr. David van Vliet. We will miss his wealth of knowledge and his commitment to the program, and his annual contributions of gelato to the orientation BBQ. Dr. Raphael Ayambire has taken over David's regional studio teaching responsibilities and is rapidly acquainting himself with the Winnipeg Metropolitan Region. The Department also concluded its search for a new colleague, an Indigenous Scholar, although she will not be officially starting as a full-time faculty member until the summer of 2025. We will make more details available closer to that time, but we anticipate that she will contribute to the Indigenous Planning Studio as well as offering other Indigenous course content in seminars and lectures.

This year was also the first year that departments were able to hire Indigenous practitioners-in-residence, a pilot program initiated by City Planning. We were joined for five one-week periods by Ed Vystrcil, from Nisichawayasihk Cree Nation and based in Thompson,

MB. He has worked with Indigenous governance and land management issues and has been sharing his depth of understanding with students and faculty. Importantly, he has been helping the department design "micro-credential" programs that we can offer people practicing First Nations planning but lacking formal credentials.

The first studio this year was led by Dr. Milgrom, with support from the Manitoba Association of Seniors' Communities. The incoming cohort of students worked with three communities in rural Manitoba to evaluate how age-friendly they are, and to suggest options to improve the quality of life for older adults in each town. Dr. Ayambire's City Region Studio teamed up with Meagan Boles (MCP 2006, RPP MCIP), a consultant with WSP, to examine how communities in the Winnipeg Metropolitan Region commuter shed could revitalize their main streets. This work was done in consultation with the Rural Manitoba Economic Development Corporation and provided materials for consideration about the towns of Stonewall and Oakbank MB. The urban design studio was again a collaboration between planning and architecture students, led by Dr. Milgrom and Dr. Carlos Rueda from the Department of Architecture to offer a collaborative urban design studio in Downtown Winnipeg. As usual, the work addressed downtown Winnipeg sites, this making suggestions for the improvement of Edmonton

and Fort Streets, and York Avenue and worked in parallel with the City of Winnipeg's ongoing development of a new Centre Plan.

Dr. Sarah Cooper's Indigenous Planning Studio continued work Opaskwayak Cree Nation, where the students with the First Nations partners worked on land use planning issues, community engagement processes, community development /cultural revitalization and territorial mapping. They also contributed to work at Long Plain First Nation on the development of the National Residential School Museum

On the research front, faculty output in the Department continued to grow. Dr. Linovski built on her research about transportation equity developing an international network of scholars who are contributing with studies and peer reviewed papers. Dr. Cooper has been using her research to contribute to local debates on housing and social justice, including as the principal author of the Canadian Centre of Policy Alternative's State of the Inner City Report. She is also leading Faculty efforts to develop and Indigenous Reconciliation Action Plan, and on research proposals with Elder-in-residence Valdie Seymour. Dr. Ayambire has launched his research agenda here with peer reviewed papers and related to his interest in urban ecology and conservation. He also participated in a meeting of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) in Bogota, Colombia,

co-authoring the first chapter of the resulting report.

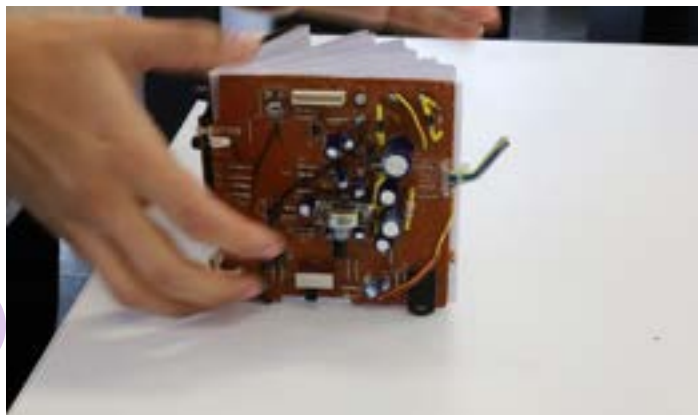
The quality of faculty members work was recognized by the university this year. Dr. Linovski received a Falconer Emerging Research Rh Award, and Dr. Cooper received the prestigious Olive Beatrice Stanton Award for Excellence in Teaching. In addition, the research potential of our students had to be celebrated as first-year students received an unprecedented five SSHRC scholarships (all of those who applied received awards).

Although Dr. Bridgman was on leave during the 2023-24 academic year, we congratulate her on winning two awards for her children's fiction books from Independent Book Publishing Professionals Group. Good Night, Good Night, Victoria Beach was the 1st Place Winner for Children's Picture Book (0 – 5 yrs.) and took the 1st Place Grand Prize for Fiction.

As always, we are grateful for the contributions of the Manitoba Professional Planners Institute, that continues to support mentorship activities, awards and events for students in the Master of City Planning program.

**Richard Milgrom,
Department Head,
City Planning**

Department of Interior Design



Top: ED3 Students making notebooks.

Middle: Interior pages of notebooks.

Bottom: Notebook cover.

In 2023-24, the Department of Interior Design has once again demonstrated its unwavering commitment to excellence, driven by our faculty and students' remarkable scholarship, creativity, and dedication. Their transformative research, innovative teaching, and creative collaborations have not only pushed the boundaries of interior design education but also inspired us all, making it a truly successful year. Let's take a look at a few highlights below.

Dr. Susan Close, who recently concluded her four-year term as Associate Dean (Academic), has left an indelible mark with her research and teaching. Her upcoming book, which explores the interplay between photography and the built environment, is a testament to her scholarly prowess. Susan's role as a theory instructor and practicum advisor has been instrumental in shaping the academic journey of many graduate students. Her creative work in photography, as demonstrated by her co-founding of Simulacra, a photographic consulting firm, showcases her artistic and entrepreneurial spirit.

Dr. Shauna Mallory Hill, newly appointed Associate Dean (Research), has had a remarkable year collaborating on numerous studies. Her research spans ergonomic kitchen design for aging in place, sustainable housing for First Nations communities, and innovative virtual workspaces that foster creativity. Beyond her impressive research contributions, Shauna brings a wealth of expertise to her teaching and advising on practicum, thesis, and doctorate committees, enriching the academic experience with her deep knowledge and interdisciplinary approach. Her commitment to advancing design knowledge ensures that our department remains at the forefront of design research.

Instructors Umid Abdullaev and Amanda Reis sparked students' creativity in the Interior Design Studio

3.2 course by encouraging them to reimagine libraries as civic hubs. Their passion for hands-on creation was evident in the 'Coptic Creations' workshop by Book Artist Debra Frances. In this workshop, students had the unique opportunity to study the 4th-century Coptic bookbinding technique under the guidance of a professional book artist. They learned about the historical significance of this technique and its relevance to modern interior design. The workshop culminated in the creation of their own Coptic-style books, a tangible representation of their learning. This experiential learning showcased the role of libraries as public spaces and emphasized the impact of human-driven creativity. Umid also teaches technical courses in our department, helping students bridge the gap between conceptual work and the technical drawings required in professional practice.

Dr. Cynthia Karpan is working on an article examining interior design research methodological foundations. She is also collaborating with academics and members of the interior design profession on revisions to the Post-professional Master of Interior Design Program. Cynthia's work on the program's revisions, particularly her focus on incorporating the latest research methodologies and industry best practices, is a testament to her commitment to advancing interior design education. Her passion for design thinking and her ability to inspire students through her teaching and research are invaluable to our department.

Associate Professor Tijen Roshko and MID alum Angie Kwon have joined forces to create the sustainable fashion line KOLYE TJN. Their collection of felt neckwear and bags is cut and hand-assembled in Canada, with each piece serving as a testament to the strength that collaboration can bring. Tijen, known for her creativity and love for interior design, teaches two interior design studios. One of these studios

is MID Studio 2, which she co-taught with instructor and MID alum Kleighton Burns. This studio allowed participants to travel and learn about design in Istanbul, Turkey.

Instructor Katherine Isaac, facilitator of the ID Work Experience Placement, has been instrumental in guiding students to gain crucial professional experience. Her extensive industry connections are pivotal in facilitating the WEP and enriching our Professional Practice course. Katherine's contributions in the foundation years of ED1 & 2 and her effective representation of the Department at the PIDIM underscore her many contributions this year.

Assistant Professor Kurt Esperson-Peters is on the verge of completing his research on Ruskin and Geology as a PhD candidate at Lancaster University, UK. In addition to his research, he delivered an insightful MID seminar and led an engaging interior design communications course. Kurt's passion for theory, communication, and mindful design brings invaluable insights to our esteemed teaching and research team.

In addition to teaching two studios, Assistant Professor Jason Shields has recently collaborated with the Department of Computer Science to create an innovative elective, 'Virtual World Building: Tools, Techniques & Users.' This cross-disciplinary course brought together FAUM and Computer Science students to explore the intersection of virtual reality and interior design. The course aimed to equip students with the skills and knowledge to design and build virtual environments that enhance user experience. The course culminated in a unique Virtual Gallery Exhibition showcasing interior design proposals within a virtual environment, complete with virtual refreshments! Jason's cutting-edge research continues to challenge and inspire, with recent presentations and publications exploring scanned realities, AI interpretations of domestic spaces, and the use of mixed realities

in interior design education. His work keeps the design community on its toes as we look to the future.

What have our students been up to this year? In my collaboration with research assistants Farzan Farnaghi and Serena Tonnu, we compared the practicum topics of students over the past decade. Emerging interior designers' diverse interests and motivations are reflected in the projects of 2023-24. These projects, such as Adel Farhat's study of spatial design in a physically distant world, Julie Hince's exploration of hospitality design for French-speaking Red River Metis cultural heritage, and Antoinette Baquiran's creation of a cultural hub for second-generation Filipinx Canadians, are a source of pride and hope for the future of interior design.

The achievements highlighted in this article are a testament to the dedication and innovation that have made this year truly outstanding. However, it's crucial to acknowledge that none of this would have been possible without the tireless efforts of our sessional instructors, graders, student assistants, administrators, the support from the University and the integral role played by the broader Interior Design community.

As we close this chapter, I extend my deepest congratulations to the EVIE and MID graduates of 2024. Your achievements are a testament to your talent, perseverance, and creativity.

Kelley Beaverford,
Department Head,
Interior Design

Department of Landscape Architecture

MLA Program revision

We are pleased to announce the revision of the Master of Landscape Architecture (MLA) degree, effective September 2024. All MLA master's students admitted in Fall 2024 will enroll in the new program of study. Current students who have completed the required courses will not be impacted by the program change in Fall 2024. For more information, [click here](#).

Faculty update

Douglas Olson, FCSLA, joined the department as a Visiting Scholar (liaison Marcella Eaton) and Hetxw'ms Gyetxw ([Brett Huson](#)) as an Indigenous Practitioner-in-Residence, enriching the teaching of various courses.

In 2023-24, eight sessional instructors supported the department in compensating for faculty members' absences or assigned administrative duties. We thank Chris Penner, Dale Wiebe, Glen Manning, Jaya Baenge, Mojtaba (Moin) Hassanzadeh, Lawrence Bird, Philip Ronald, and Seema Goel for their continued support.

Short notes

Department members participated in multiple scholarly activities and made their work accessible to the public through diverse media: Alan Tate (book publication and marketing, book reviewed, preparation of a bibliography), Anna Thurmayr (articles, grant applications, work reviewed, interviews), Brenda Brown (book reviewed, draft book submission, exhibition, conference presentation), Dietmar Straub (articles, grant applications, work reviewed, interviews), Frits van Loon (design competitions, grant applications), Jean Trottier (national award in the category research, research report, National Urban Park proposal, conference presentations, interviews, grant application), Kamni Gill (book chapters, book proposal,

paper submission, grant application), Marcella Eaton (book publication, book reviewed, article, grant applications), and Yuhao Lu (tutorial videos, articles, conference presentation, grant applications, exhibitions).

We actively engaged in service outside the university: Alan Tate (LJ reviewer, MALA committee, City of Winnipeg Urban Design Advisory), Anna Thurmayr (MALA Council, Lake Manitoba First Nation), Brenda Brown (University of Manitoba MFA student's committee, LJ reviewer), Dietmar Straub (Winnipeg's Master Green Space and Natural Corridors Plan and Biodiversity Policy Advisory Committee, Lake Manitoba First Nation, Save Our Seine), Frits van Loon (Ecocities World Summit Rotterdam), Jean Trottier (CCU Board of Directors, Chair, LAAC, LP Magazine editorial team), Kamni Gill (JoLA, LJ, Manitoba Urban Forestry Council, Canadian Urban Forest Council 2024 Conference, Storefront Manitoba One Green City subcommittee), Leanne Muir (BENCHmark competition, CSLA hosted Intersections Summit), and Marcella Eaton (Alumni Then+Now documentation).

Student records

Seven students graduated from the MLA program and twenty-one from the Landscape + Urbanism (L+U) option in the Environmental Design (ED) program this academic year. Graduation, intake, and enrolment remained within normal year-to-year fluctuations.

We are proud of all students' work this academic year and delighted with the following placements. MLA student Jordan Cantafio was selected as the Olmsted Scholar/University of Manitoba in 2023. Aaron Bomback won the 2023-24 CSLA Student Awards of Excellence in the category of thesis work and the UM ARCC/King Student Medal. Kailee Meakin was nominated

for the LACF Andre Schwabenbauer/University of Manitoba MLA Scholarship in 2023. Tasnim Ferdous received a LACF Research Grant – Student Award. The new Maglin-LACF Scholarship/University of Manitoba for 2023 went to Adrianna Anastacio.

Marie Seno and Maryam Ghorbani were the University of Manitoba Graduate Fellowship recipients in 2023-24. Emma Dicks and Augusta Ho were awarded SSHRC Canada Graduate Scholarships – Master (CGS-M) in 2024.

LASA, in collaboration with MALA, organized the MALA Golf Tournament in September 2023, A Maze in Corn in October 2023, MALA Speed Mentoring in February 2024, and MALA AGM and MALA Night in April 2024. These and other extra-curricular events were organized by LASA president Kailee Meakin and MALA student rep Emma Dicks with help from other students.

Refreshing results

The John A. Russell Building studio tables underwent a refresh during summer 2023, executed by the Faculty's workshop. In October 2023, each studio desk was equipped with a new drafting chair, which the Student Innovation and Enrichment Fund (SIEF) funded.

By the end of the winter term of 2024, we reached our funding goal for the new endowment fund established at the University of Manitoba in honour of the Department of Landscape Architecture's 50th anniversary. \$25,000 was fundraised for this recruitment scholarship, which will be available to students for the first time in 2025-2026. A big thank you to all the supporters!

Image: Anna Thurmayr
pictured at the
University of Manitoba
Science Courtyard
(Straub Thurmayr
Landscape Architects).

Anna Thurmayr,
Department Head, Landscape Architecture

Recommended Reading

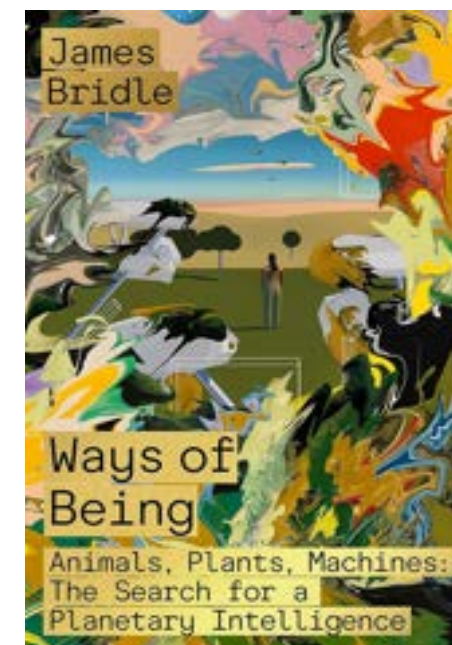
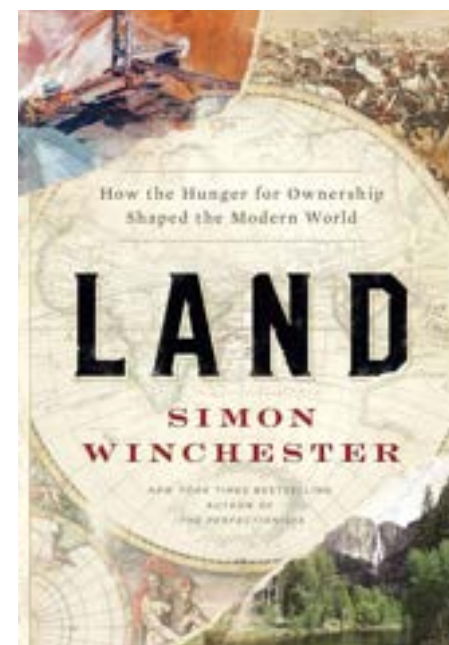
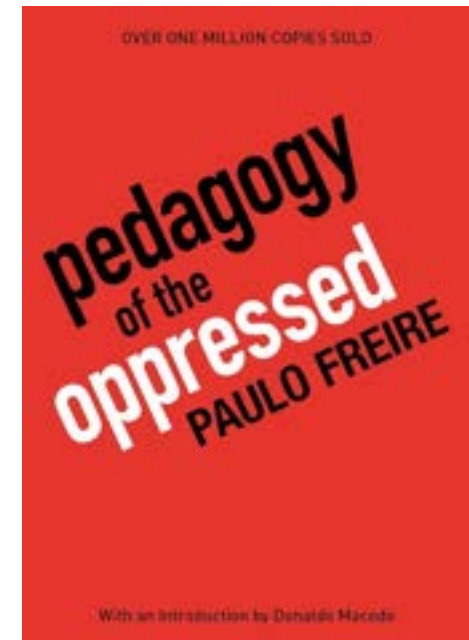
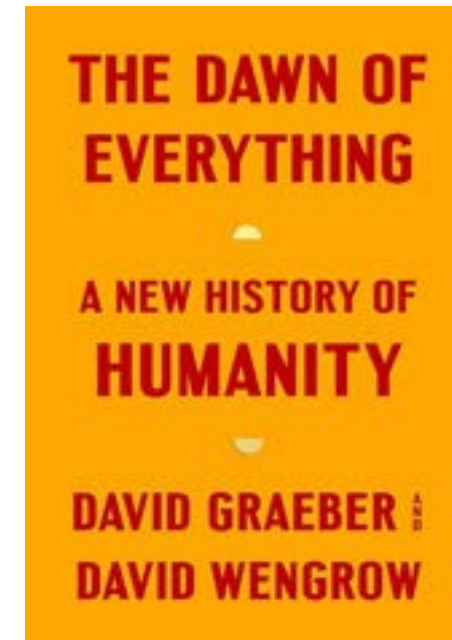
Alan Tate & Marcella Eaton.
*Designed Landscapes:
37 Key Projects.*

David Graeber & David Wengrow.
*The dawn of everything:
a new history of humanity.*

Paulo Freire.
Pedagogy of the Oppressed.

Simon Winchester.
*Land: How the Hunger for
Ownership Shaped the
Modern World.*

James Bridle.
*Ways of Being:
Animals, Plants, Machines:
The Search for a
Planetary Intelligence.*





Studios

P1 – Body –

.1 Measure Modify



Students:
Kayla Petkau
Jeever Tizon
Tashfia Haque



Left to Right. Range of
motion analysis.
Kayla Petkau

P1.1 required students to study anthropometrics through systematic inquiry, measurement, and documentation of bodies. In P1.2, students applied the findings from P1.1 to themselves, relative to a familiar routine and the associated spatial and formal elements engaged in the routine. Students proposed ergonomic modifications to the routine space, elements and objects in response to the individual student's unique anthropometrics.

In groups of 3-4 per unit instructor, students studied and documented comparative human body measurements – anthropometrics. Each group was assigned a body segment to observe, measure and document through a rigorous series of studies. The studies were static, and movement (range) based, resulting in a carefully measured and communicative collection at 1:1. The studies were used as a reference tool for P1.2.

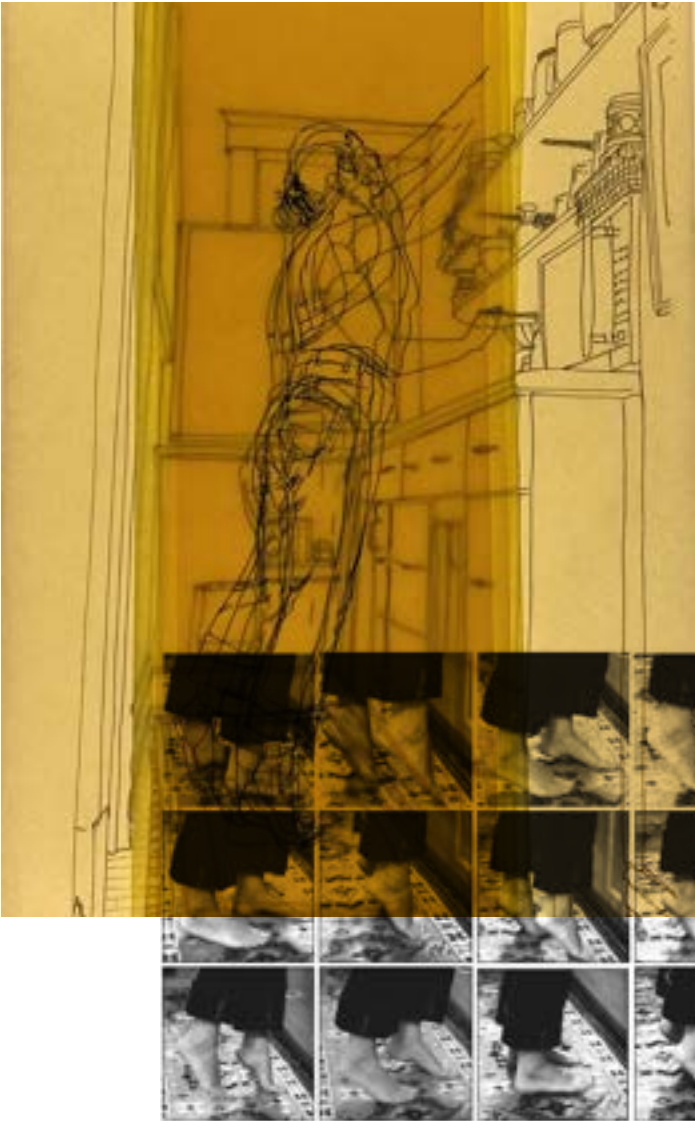
This research focused on an indepth study of the spine and back, looking specifically at their properties of extension from a seated position and how the capabilities differentiated between each of the group members' datas. The group started with a photographic study of range of motion and 1:1 scale drawings of the spine to gain more knowledge of how the specific group members' bone structure was arranged, as well as how function and movement are related to structure and measure. The exploration was focused mostly on the lateral movement of the spine and back because of its relationship to a person's perceived amount of required personal space when seated. The study measured the difference in range of motion of the group members' spine and torso using specific, easily distinguishable measurement points on the bone structure.

Each student identified and documented a routine within a familiar space. To begin, students measeured, and drew at 1:5 or 1:10, the location and built elements of the space engaged in the routine. Students created a detailed composite drawing of the existing routine, paying attention to anthropometrics and ergonomics. Using the measurements, research, and findings from Part 1, students developed a revised proposition based on their own body measurements in response to the routine-space-body-object relationships through iterative modelling and drawing.

The habit investigated in P1.2 was reaching to get something off the top shelf in a pantry. During this motion the foot is extended to lift the body up to reach items out of reach.

After meticulous documentation of how the body interacts within a space it is aparent that this motion causes stress. During the action of reaching to the top shelf the foot is used to elevate the body.

With further understanding of the space through sketch and critical thought, a modification that rises the floor infront of the shelves was conceptualized.



Student:
Tiffany Hurd

Top. Sketch study
overlay.

Middle. Photo study of
foot range of motion.

Bottom. Model of
intervention .



.2 Design + Modify

P2 – Processes –

.1 Research - Observe

Student:
Elia Nikkel

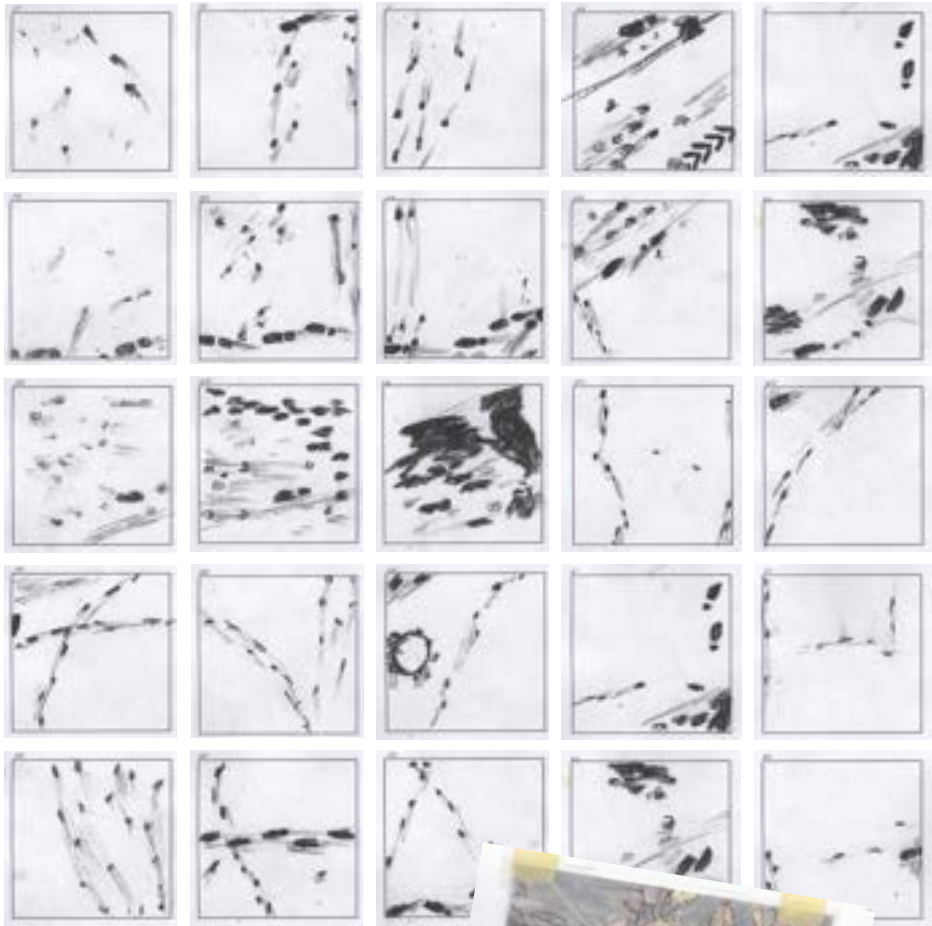
P2 began with students individually studying, researching, and documenting discrete sites through the lens of an assigned process.

Students were assigned a 10m x 10m site and an environmental process from the list below. Through walking, observing, documenting, researching, collecting, and analyzing at 1:1, students developed an understanding of the environmental process as it operated on the site based on findings, observations, and firsthand experiences.

Students composed a drawn response that translated and synthesized their experiences, observations, research and findings. The drawing has two parts – a plan and a corresponding section, drawn at 1:20s. Individual unit instructors assigned specific media. The drawing incorporated site measurements, experiences, observations, artifacts, and research to communicate the exploration of the environmental process, including its general properties and function and the situated conditions of the process acting upon the site. The drawing was a representative of phenomenological and analytical observations and understanding. It was drawn to scale and included a measurement of time appropriate to the processes studied.

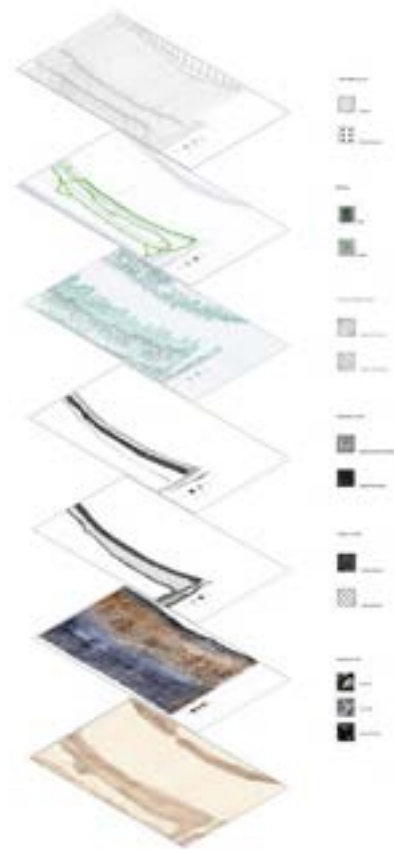
This project is a study of how deer impact the processes of the site. How the decomposition of scat allows for succession.

EVDS 2500/2900:
Design Studio



Top. Study of site material decomposition.

Bottom. Site vegetation study.



In groups determined by individual unit instructors, students aggregated and collectivized their observations and developed a new drawing that discussed the environmental processes at the scale of the system that instigated a design agenda – the project process positioning. This composite drawing positioned the group's collective understanding of the process, representing the system's effects at a broader scale.

Upon completion of the process positioning, each group collectively determined a new site proximate to the individual sites, approximately 100m x 100m, to develop a design response. The proposal is legible within the landscape at 1:100. Intending to reveal the environmental process, allowing it to be anthropogenically resonant.

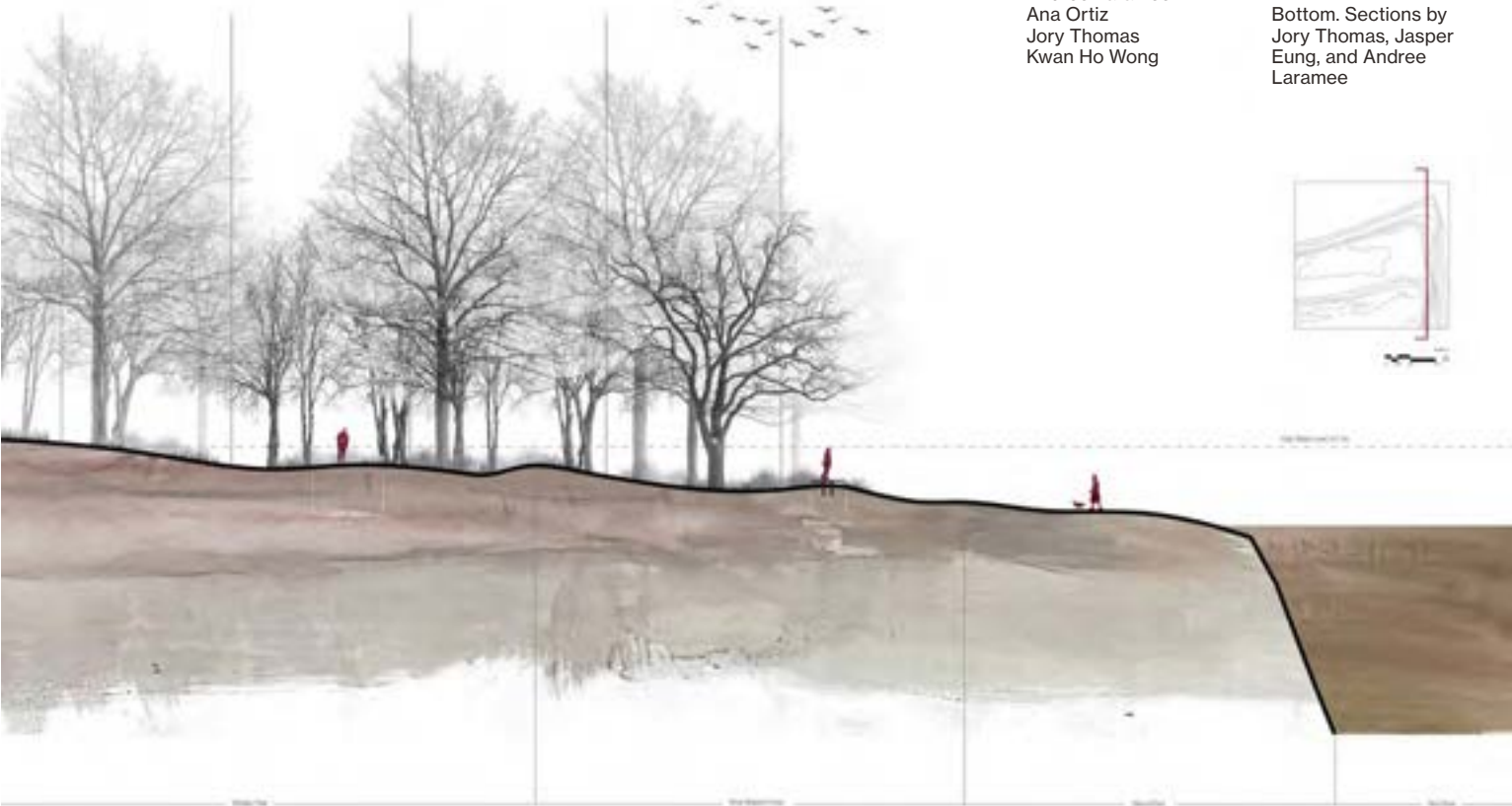
Four processes are examined on the Red River riverbank and river bottom forest near Whittier Park in North St. Boniface; erosion, deposition, shade, and exposure. To gain deeper understanding, in depth studies of flooding and wind patterns in the area were conducted. This knowledge was overlaid through plan drawings to illustrate how these 6 processes interact with each other and the site itself.

The proposed site intervention is one that aims to enhance user experience, allow for a more seamless transition of "retreat and refuge," from the river bottom forest and the riverbank. Additionally, the intervention will allow for clear observation of environmental processes that occur on site.

Students:
Jasper Eung
Tiffany Hurd
Andree Laramée
Ana Ortiz
Jory Thomas
Kwan Ho Wong

Top Left. Axonometric compilation. Jory Thomas.

Bottom. Sections by Jory Thomas, Jasper Eung, and Andree Laramée

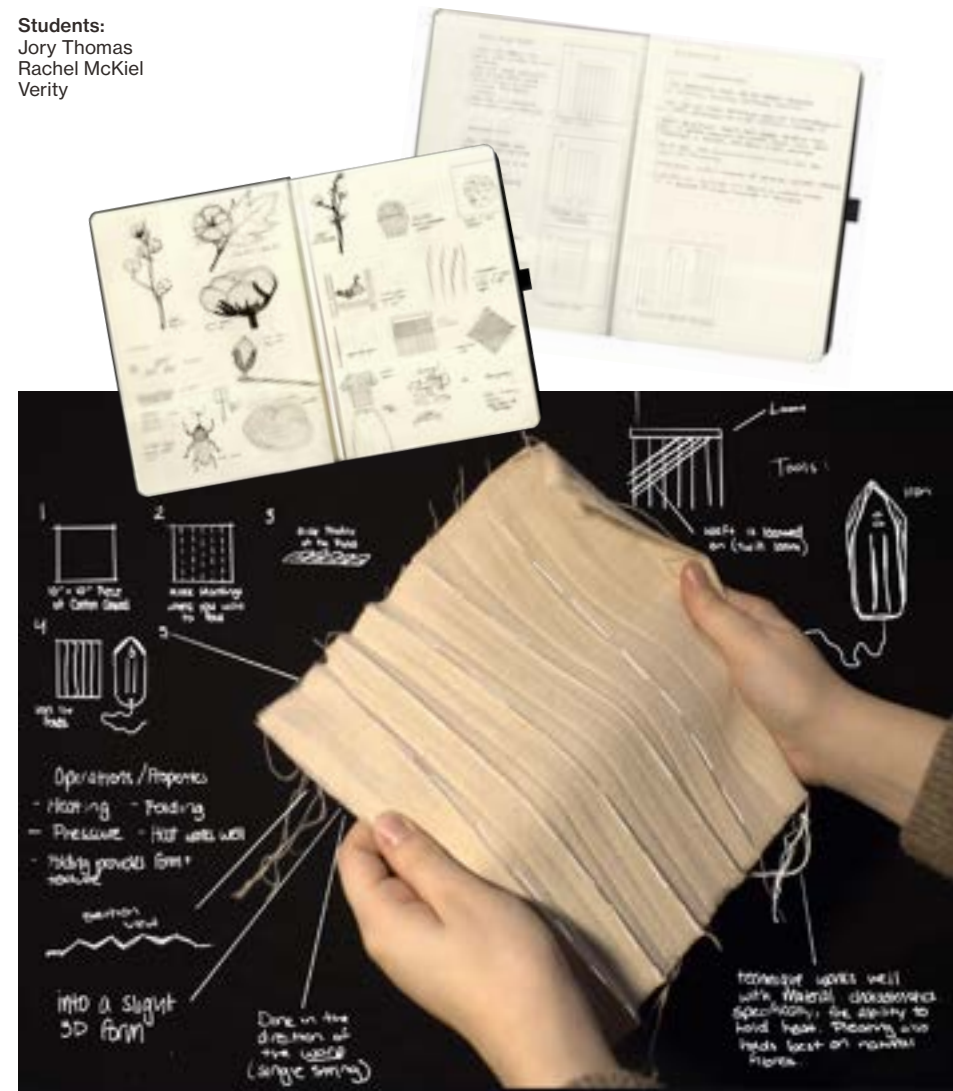


.2 Design – Aggregate + Reveal

P3 –

.1 Material to Connection

Students:
Jory Thomas
Rachel McKiel
Verity



P3 constituted a materials study, detail design exercise and threshold installation. In Part 1 students collectively generated a deep understanding of an assigned material, its properties and potentials, and a proposed connection detail. In Part 2, individual students adapted the Part 1 detail design to threshold an existing condition or set of conditions at an assigned site.

Each group was assigned, at the instructor's discretion, one material from the following categories: Harvested: softwood, hardwood, fiber, plant, animal, or Mined: stone Note: We encouraged the use of used or salvaged materials. ie. reused and recycled material, fabric, wood, paper, aggregates, bricks etc. Each group worked towards the development of a material inventory illustrating research, knowledge, skill, and technique in the modification and manipulation of an assigned material. Part of the design process involved investigations and operations that documents the result of material tooling: cutting, milling, carving, moulding, stitching, turning, soaking, aggregating, joining etc. The design outcome was the purposeful connection of material to itself through proposed joinery details.

The material that was assigned was 100% Cotton Canvas which has many potentials and avenues for experimentation. Our specific cotton canvas was sourced and manufactured in China and woven in a twill technique. The weave of the fabric has one yarn in the warp and two in the weft, making the diagonal twill weave stronger and more durable.

Left to Right.
Sketchbook
explorations, material
experimentation and
drawings by
Jory Thomas.

Using an assigned site on campus that performs as a threshold, each student identified a spatial condition they modified through the application of the material prototype. This was used as a catalyst for re-imagining the potential of the chosen space. The prototype operated as both object and effect and was reworked to allow scalability or redeveloped as required for the selected space.

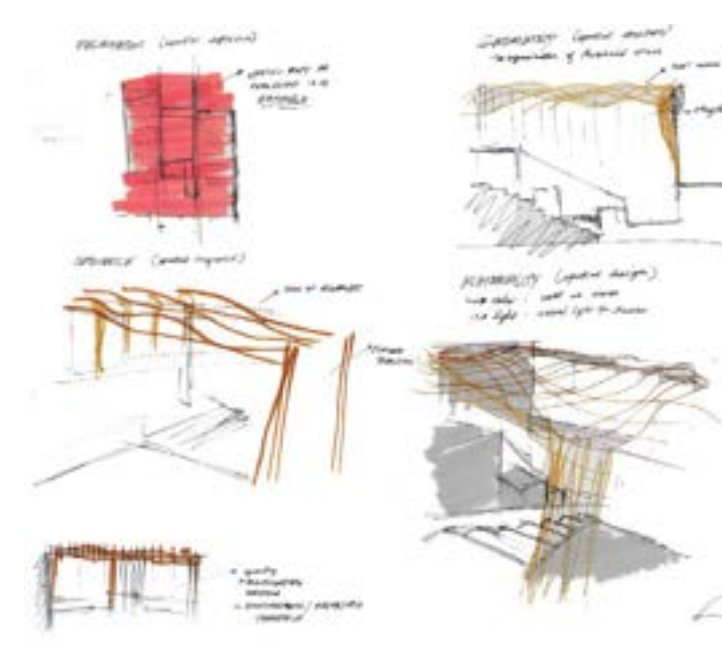
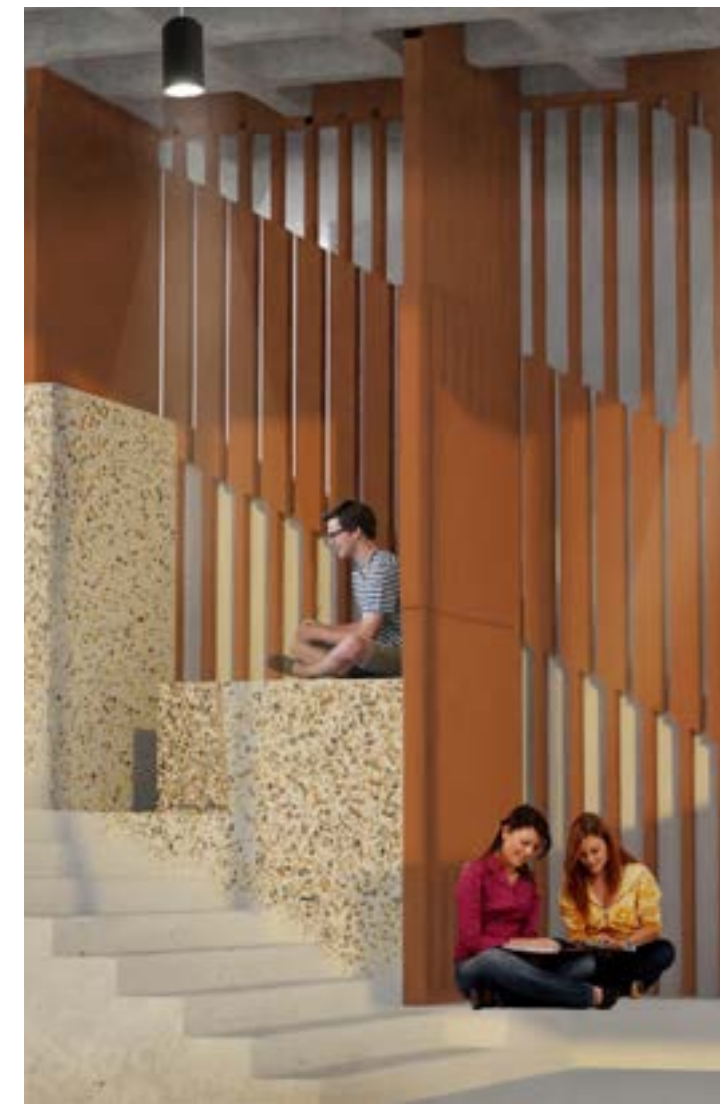
Individually, students proposed an immersive installation at 1:25 ($\frac{1}{2}$ "=1'-0") or 1:50 ($\frac{1}{4}$ "=1'-0"), which purposefully applied the material and its properties in response to the existing condition. The design solution had to be 'singular' – a big move or a broad stroke that allowed the material condition and properties to be clearly understood and experienced en masse. Student's knowledge of the modified material and the properties of the 2D to 3D manipulation guided the proposed spatial construct.

The project's intention is to utilize dimensional lumber in order to accentuate the tranquil zones on the site, specifically the three square spaces positioned between the dual staircases. Following a comprehensive analysis of the site's conditions, a profound dichotomy was identified: the staircases represent constant motion, whereas the adjoining spaces provide a sense of calm and repose. The aim is to strategically leverage the assigned material to accentuate the compelling duality and directing users towards the 3 distinct thresholds. The dimensional lumber's material density is intentionally adjusted by altering its thickness or mass to create intimate and private spaces. By carefully controlling the material's characteristics, the aim is to shape environments that offer a unique and tailored experience for the users.

Student:
Jeever Tizon

Top. Site analysis
and sketches.
Jeever Tizon.

Bottom. Final design
proposal. Jeever Tizon.



EVDS 2500/2900:
Design Studio

.2 Material Connection to Space

P4 –

.1 Living to Prototype



Student:
Lealyn Carlos

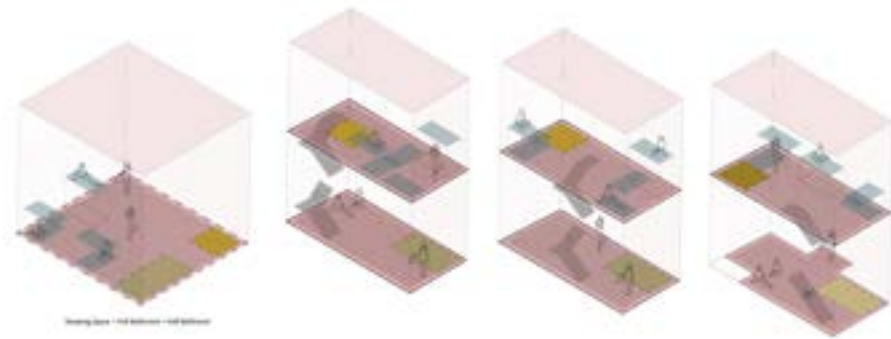
Top. Housing model collage. Lealyn Carlos.

Bottom. Single bed and bath configurations. Lealyn Carlos.

Students were directed to study the living realities of contemporary urban households. While focused on spatial and temporal parameters, students discussed and developed a core-living scenario around a wet surface (wall or floor) in the interest of imagining 'integrated living' while questioning the conventional layouts of wet functions (e.g. bathroom and kitchens). The study encouraged performative enactments of living, measurements, and documentations. Additionally, the study was encouraged to involve critical examinations and understanding of the conventions (dimensions and layouts) and extrapolations from individual experiences and spatial practices.

Based on the study, students developed spatial unit prototype(s). The development was expected to be through iterations exploring and transforming the conventional arrangements (compression, sharing, exclusion, and introduction) in the context of today's emergent/projected living, including the possibility of shared amenities within the neighborhood and or the city. The unit prototype is expected to work with a 'spatial budget' maximum of 50 sq.m. or 550 s.f. of area.

Given a task of housing 5 students living in 550 sqft with a focus on shared dining experiences and communal gardening activities; the project aims to create a student housing prototype that fosters meaningful relationships. The integration of sustainable water and sewage systems through potential rainwater harvest systems seek to promote responsible water consumption practices within the living environment. This initiative aligns with the exploration of contemporary living practices that emphasizes spatial performances and environmental considerations. An emphasis on the hierarchy of communal spaces and private spaces are also highlighted within the design.



The groups were directed to study an urban or neighborhood context as per the instructor's guidance. This study involved documenting, drawing, and discussing the living dynamics of the existing urban neighborhood.

Based on the research, each group created a site plan, which illustrated how their collective living scenario could be integrated into the urban context and potentially animate the neighborhood.

This plan considered the shared use/living scenarios and combine individual unit prototypes developed in P4.1 into a collective cohabitation assembly. This assembly created common areas and amenities that linked the household prototypes. Partial modifications of the unit prototypes may have been necessary during the process. Groups were also encouraged to develop site amenities and other urban or landscape elements as part of the collective projected living context. The final deliverable from each group was an axonometric drawing that illustrated the living aggregate or neighbourhood scenario of the site within its urban context.

The Vertical Village is set to be located at 265 Osborne Street in Winnipeg, Manitoba, on a construction site measuring approximately 37.9 by 29.7 meters. The site's zoning is for transit-oriented development. It includes a day care and grocery store due to the lack of nearby facilities within a 15-minute walk. Additionally, a co-working space was chosen to cater to the university-going demographic in the area. This mixed-use development aims to foster a lively and walkable community where residents can live, work, and shop in close proximity.



Students:
Bettina Borrgio Lima
Tyler Schmidt
Andree Laramee

Top Left. Photo of streetscape. Andree Laramee.

Top Right. Cyanotype. Andree Laramee.

Bottom. Isometric drawing. Andree Laramee.



.2 Prototype to Neighbourhood

Studio NEAR... Far...

Timothy Morton, a professor, ecologist, and theorist suggests that being ecological starts first with the understanding that we exist in a multitude of scales. Now, could be right now, or now could expand to a generational or geological time and place. The time scale we choose to define the here and the now is deeply intertwined with our (chosen) relationship to place.

The awareness that we can achieve synchronicity and solidarity with the (living) world outside ourselves simply by pulling back or pressing forward in time and space presents a provocative ontological shift in being.

This studio explored the overlap of time and space as a means of exploring the* environment; not as a concept that is separate from ourselves (often abstractly defined as separate from ourselves; as in man and nature) but as a verb or situation: an ongoing, unfolding action that does not differentiate between here and there and near and far as two separate and abstracted spaces but as a concurrent space/time continuum that connects meaning to our sociocultural, historical, geographical and/or ecological contexts.

Students building upon their work from the first term, transformed their theoretical concepts, site analysis and programmatic prompts into a comprehensive architectural proposal for the town of Clearwater,

EVAR 3010:
Architecture Design Studio

Liane Veness

Manitoba. The work this term continued to oscillate within and between the student's explorations of sites, situations and situatedness.

The former (site) can be defined in physical and material terms, and the latter (situation) can be regarded as the location of something in space and a set of circumstances bounded in time – the conditions of a particular instant, a moment, or an event. The associated verb to situate describes the action of positioning something in a particular place, while the adjective situated, defines something's site or situation. Situatedness**, then, is a way of engaging with the qualities of these processes of situating or being situated.[1]

This studio was inquiry-based, motivated by speculation and direct material engagement, and pulsed between multiple scales, methods and perceptions. Students in this studio were encouraged to rely on their intuition and individual curiosities as “generators” for critical thinking and dialogue.

**The” is used to refer to specific or particular noun. The definite article (the) is used before a noun to indicate that the identity of the noun is known to the reader. The indefinite article (a, an) is used before a noun that is general or when its identity is not known.

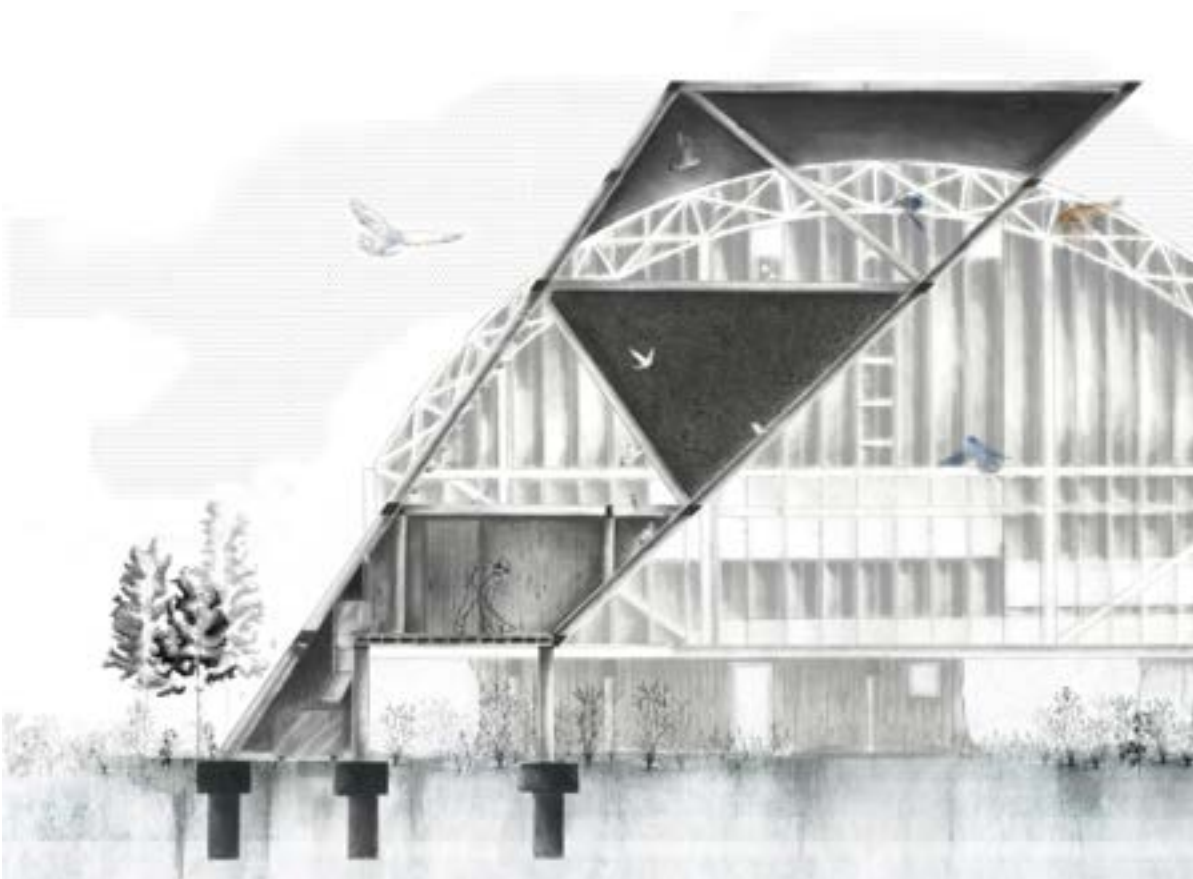
**Situatdness refers to architectural space and the milieu or atmosphere along with it. Situatedness is the notion that our lived experiences formatively shape the way we see, interpret, and respond to the world around us.



Top. Natural Burial Parting Space. Final Building Section. Sage Cournoyer.

Bottom. Community Gathering Place & Feasting Table. Final Building Sections. Amy Mcfadden.

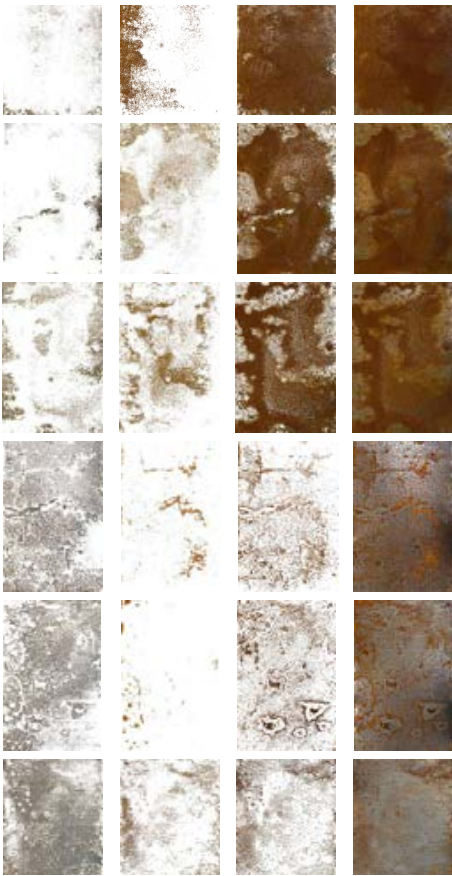
Students:
Godwin Abonyi
Abdul Rafay Ali Aziz
Joy Bajwa
Mitch Constable
Sage Cournoyer
Jordyn Crampton
Justin Huang
Amy McFadden
Howl Phan
Pratheeksha Sanjaya
Jane Santa Ana
Deion Smith
Ho Ming Gavin Yan
Kirsten Yeryk



Top. Site Plan (Clearwater, MB). Materials: Soil And Water. Howl Phan.

Bottom. Native Bird Repository. Final Building Section. Jane Santa Ana.

Violent Wild Iris



Inspired by the poem *The One* by Patrick Kavanagh, this term studio was about architecture that is a “violent wild iris” [beautiful, wild, opinionated, rich in exteriority] “in a cutaway bog” [neglected Portage Avenue in downtown Winnipeg]. The studio was in search of architecture that contributed to its surroundings and embraced colour and beauty, enactment, joy, etc. In general, the focus of the term was to explore “expanded envelope” as an area of technical building performance as well as an area of experience and poetry.

Top. Portage Student Center. Material testing rust solutions and extracting forms for façade study. Ethan Schuster.

Bottom. The Symphony of Generations in the Paper Birch Tree – a Multi-generational Community Hub. Inside-out collage. Zaireen Sultana Prema.

Students:
William Anderson
Norma Valencia
Imbachi
Zaireen Sultana Prema
Ethan Schuster
Niloofar Taheri
Raha Alihoseini
Sydney Brown
Zaireen Sultana Prema
Arooj Aslam
Dharanidharan
Subramaniam
Arpan Jeji
Arooj Aslam
Albert Gerard



picture look like it was composed of thin layers that created interesting gaps pictures they hardly touched?

Top.
B.L.O.S.S.O.M.
(Beyond Limits:
Oncology and Soulful
Supportive Medical
Centre). Elevation /
perspective collage.
Norma Valencia
Imbachi.

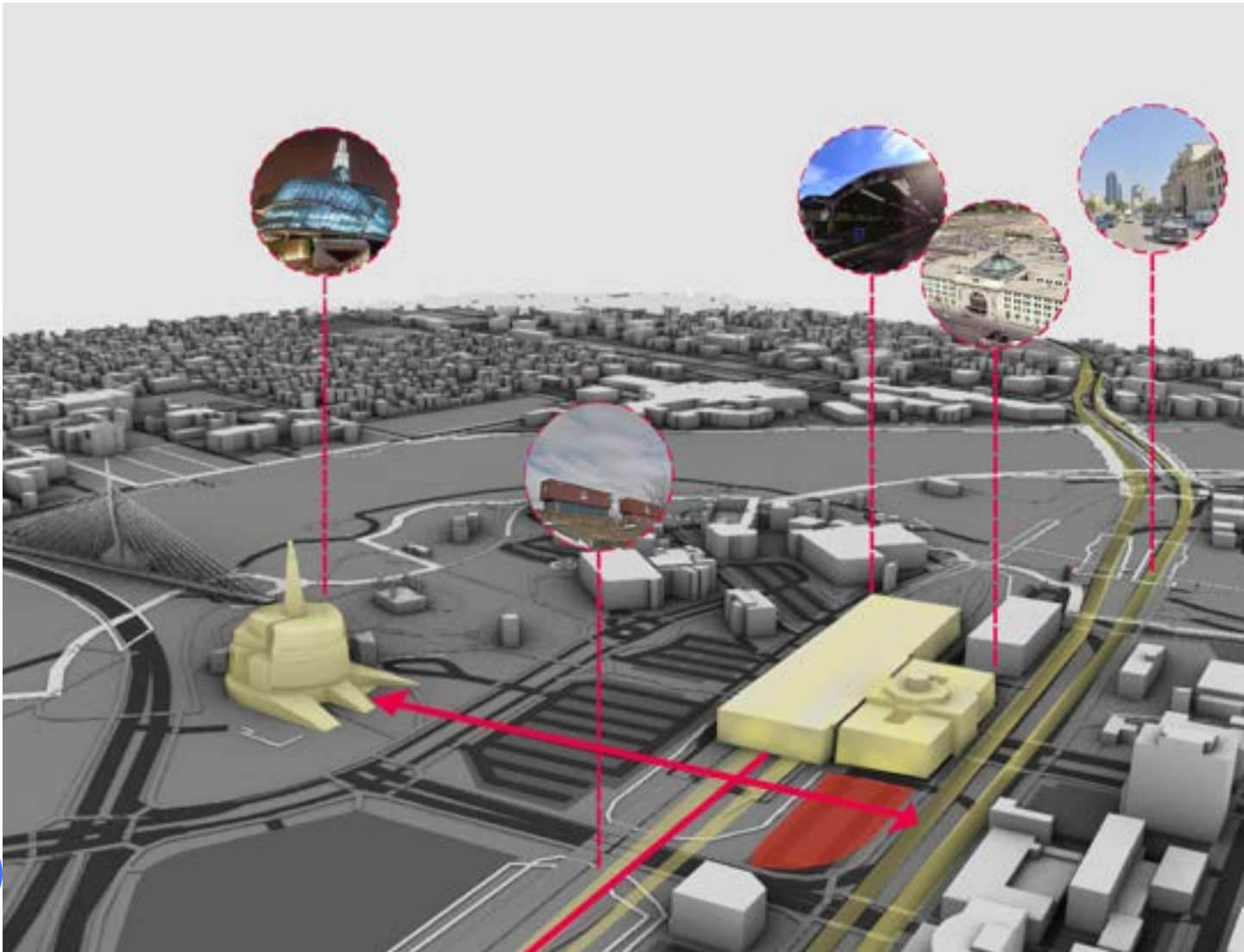
4. Blurry- a
kindergarten, art
gallery, and café.
Perspective view from
Portage and Carlton.
Niloofar Taheri.



Winnipeg Rail Museum, Hotel + VIA Rail Headquarter Office

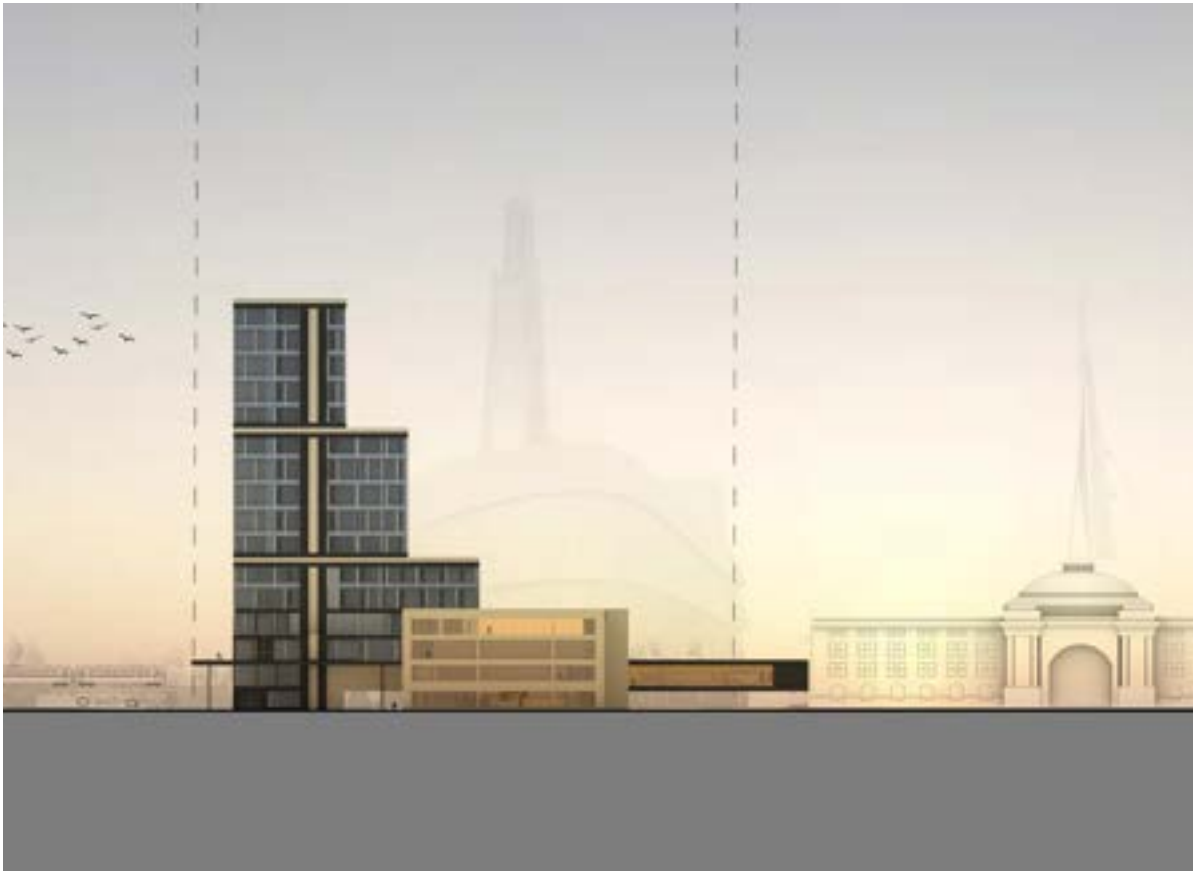
A new Winnipeg Railway Museum, Hotel Complex and VIA Rail Headquarter Office features the city's rich railway history as a new design icon on Main Street Winnipeg. Situated strategically within the city's downtown, the site benefits from its proximity to transportation hubs, cultural landmarks, and green spaces. This project aimed to create a harmonious blend of heritage preservation, cultural engagement, and unparalleled hospitality, setting a new benchmark for iconic architecture and community enrichment.

Bottom. Site analysis study. Mahshad Azimi.



EVAR 4004:
Architecture Design Studio 3

Zach Pauls



Students:
Bethany Wakelin
Delara Delara
Izabela Rachwal
Kayla Mantie
Kevin Cowie
Mahshad Azimi
Mariah Barbosa
Sacha Delaquis

Top. "Views" Tower -
East elevation.
Sacha Delaquis.



Bottom. Union -
Interior exhibition
space view.
Izabela Rachwal.

Becoming Animal

A central theme of this studio revolved around perceiving design as a practice characterized by diversity, uncertainty, and modesty. We believed that any meaningful project will challenge the paradigms of design practice and provide a chance for designers to expand their awareness to learn from the place and people with whom they design. The concept of “sympoiesis,” as articulated by environmental philosopher Donna Haraway, denotes a collaborative approach, contrasting the idea that individuals or entities create in isolation. In this studio, we investigated how the act of design represents an invitation and a responsibility to engage in a deep dialogue with the concepts, systems, histories, and influences of both the human and non-human realms. We sought to make with as an act of reciprocity with the world beyond us. To accomplish this, we explored other ‘ways of knowing’ including directly from the animacy of the natural world as well as from traditional teachings and languages that emerged from it that offer insight into the sophisticated and profound ways that the human and more-than-human worlds are in all ways entangled. From these expanded views, students developed meaningful design practices and projects that centred on what we build can connect us closer to the world beyond ourselves.

Students:
Arooj Aslam
Braeden Henault
Qi Qi Liu
Shivangi Jindal
Kayla Mantie
Maggie Medock
Brigette Pacholok
Ethan Schuster
Sydney Brown
Niloofar Taheri
Izabela Rachwal
Arpan Jeji
Wenqian Liu
Dharanidharan Subramaniam
Asha Stott
Mahshad Azimi
Nitheesh J R
William Anderson
Raha Allhoseini

Top + Bottom.
Students exploring the lands of KCA and taking part in cultural activities including dogsledding (photo by Izabela Rachwal)

EVAR 4010:

Shawn Bailey
+ Lancelot Coar

Local Anicinabe Knowledge emphasizes living harmoniously with the land, which provides food, shelter, medicine, and clothing. Traditionally, Indigenous peoples believe they are gifted to be a part of Mother Earth and hold a duty to protect it. We worked in close collaboration with the Kenora Chiefs Advisory's (KCA) youth-focused Land-Based Camp, located 250 km East of Winnipeg. The studio projects each exhibit an attempt to strengthen ties with eight Indigenous communities and the Prairie Climate Centre – an organization focused on understanding climate change through Indigenous and scientific lenses.

The main objective was to envision architectural responses for the Land, focusing on youth involvement and clarifying our own kinship with it and each other. All our endeavours were documented and compiled into a publication dedicated to the KCA. At its core, this studio is about developing relationships through architectural means.



Top. Students presenting to the Kenora Chiefs Advisory (KCA) community representatives (photo by Izabela Rachwal)



Bottom Left. Rendering of circular food systems building contributing to the food systems of humans and more-than-human species. Izabela Rachwal.

Bottom Right. Section of seed bank and teaching space describing construction details of tree-branching joints and reed envelope systems. William Anderson.

URB & CIVIS: Downtown Winnipeg

Students:
Alandra Barairo
Ian Dyck
Evan Ferguson
Jaclyn Gavas
Gillian Kolody
Jess Miranda
Chris Sones
Mariah Barbosa
Jennifer Boisvert
Kevin Cowie
Tim Dallett
Sacha Delaquis
Mariam Ghandi
Zhenggang Li
Zairen Prema

Image.
Downtown Winnipeg
Physical Model.

EVAR 4010 / CITY 7430

Dr. Richard Milgrom
Dr. Carlos Rueda
Amanda Reis

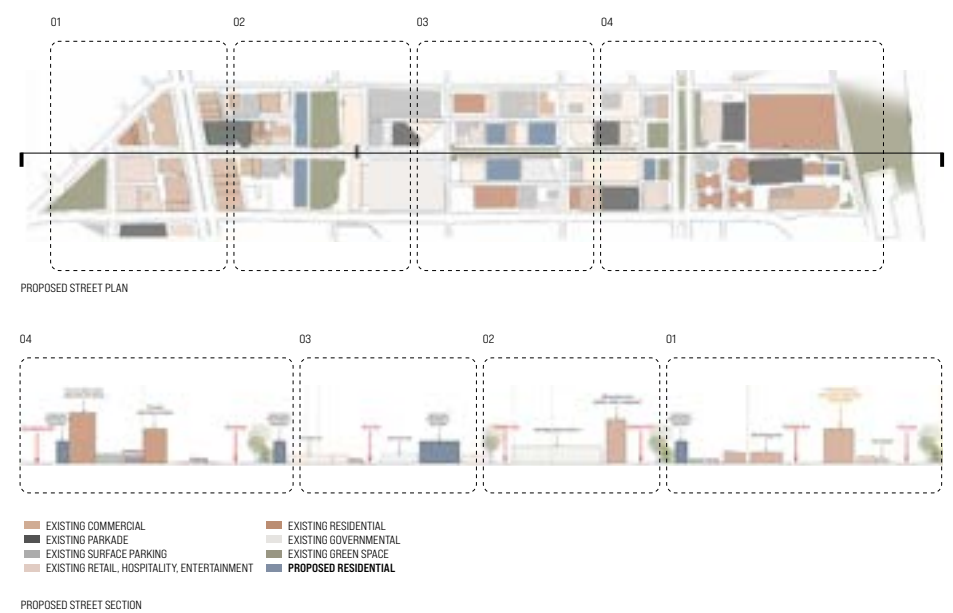
Urban design is concerned with more than just the realization of individual building projects – it is concerned with the production of places that are shared by communities. It focuses particularly on the development of the public realm, the spaces of spectacle and, ideally, those of everyday life. The studio addressed downtown Winnipeg. The centre of the city has suffered as the suburbs have thrived over the last half century, the result is a well-know abundance of surface parking lots, and an absence of active street life.

Streets vs Skylines
Many of the recent proposals for downtown housing (Sky City, 300 Main Street, Glass House, D-condos) have stressed the impact the buildings will have on the skyline. However, tall buildings concentrate housing units at points in the downtown, rather than inhabiting the streets. This studio raised the possibility that healthy population density and liveable streets can be achieved without the development of very tall buildings, and that social street spaces can be more quickly achieved with the development of small to mid-size projects.

Two Scales
The studio addressed many of these issues on two scales. At the scale of downtown students provided analysis of existing land uses and the distribution of population. They developed overall aspirations for future population growth and where that might be concentrated. And tested their visions and assumptions of place-making at the scale of three case study blocks in Exchange District.

Within the downtown, we identified three street-face blocks to explore in more detail the ramifications of the density proposals, and explored ways that urban design practice can produce places that will function as destinations and neighbourhoods of everyday life.

Two Disciplines
Students worked within their disciplines (the architecture students designed buildings, the planning looked at the regulations that have impact on built form), but also worked collaboratively to understand how, within an urban design framework, planning and design influence each other.



Bottom Right.
Proposed Street Plan.
River 2 River / Garry
Street Group.

Project: Object

The form of a work and its materials are closely related. Nothing made is completely objective, purely practical, or merely present. – Donald Judd (Specific Objects: 1964)

Students individually designed and built an object using a single sheet of plywood. The objects had a dual purpose (for example: table and chair) and limited material waste. The objects considered the relationships between human scale and standard dimension(s), form and function(s), heaviness and lightness, materials and assemblies, and fabrication and craft. Students were encouraged to explore and discover inspiration from art (paintings, sculptures, etc.) and design (products, furniture, etc.), as well as the neighborhood and building context of the subsequent design studio project. Through the act of drawing and making, students learned design and build processes simultaneously and holistically, which enhanced the pragmatic and poetic outcomes of the design studio project.

- Students:
- Mia Bakija
 - Miranda Banman
 - Abbey Bellisle
 - Emily Blum
 - Paula Ceron
 - Sohana Chowdhury
 - Sara Christie
 - Julianne De Jesus
 - Rich Delaronde
 - Hayley Harvey
 - Madde Kulbaski
 - Monal Lad
 - Ryan Maglalang
 - Andie Margolis
 - Harsh Modha
 - Hannah Moore
 - Erika Munnik
 - Fardeen Nauzeer
 - Brooke Park
 - Kyra Penner
 - Taza Pratt
 - Love Seno
 - Jill Smuttell
 - Sevina Tayeb-Oskouie
 - Hailey Van Gerwen
 - Alex Vasas
 - Andreas Wall
 - Agatha Yin
 - Fischer Zemliduk



EVIE 3008:
Interior Design Studio 3.1

Amanda Reis
+ Heather Wallis



Top Left:
Love Seno

Top Right:
Andie Margolis

Middle Left: Sevina
Tayeb-Oskouie

Middle:
Emily Blum

Middle Right:
Harsh Modha

Bottom Left:
Monal Lad

Bottom Right:
Brooke Park

Reimagining The Modern Library as A Multimodal Civic Hub

Students:
Mia Bakija
Miranda Banman
Abbey Bellisle
Emily Blum
Paula Ceron
Sohana Chowdhury
Sara Christie
Julianne De Jesus
Rich Delaronde
Hayley Harvey
Madde Kulbaski
Monal Lad
Ryan Maglalang
Andie Margolis
Harsh Modha
Hannah Moore
Erika Munnik
Fardeen Nauzeer
Brooke Park
Kyra Penner
Taza Pratt
Love Seno
Jill Smuttell
Sevina Tayeb-Oskouie
Hailey Van Gerwen
Alex Vasas
Andreas Wall
Agatha Yin
Fischer Zemliduk



Top + Bottom.
Erica Munnik.
Model iterations.

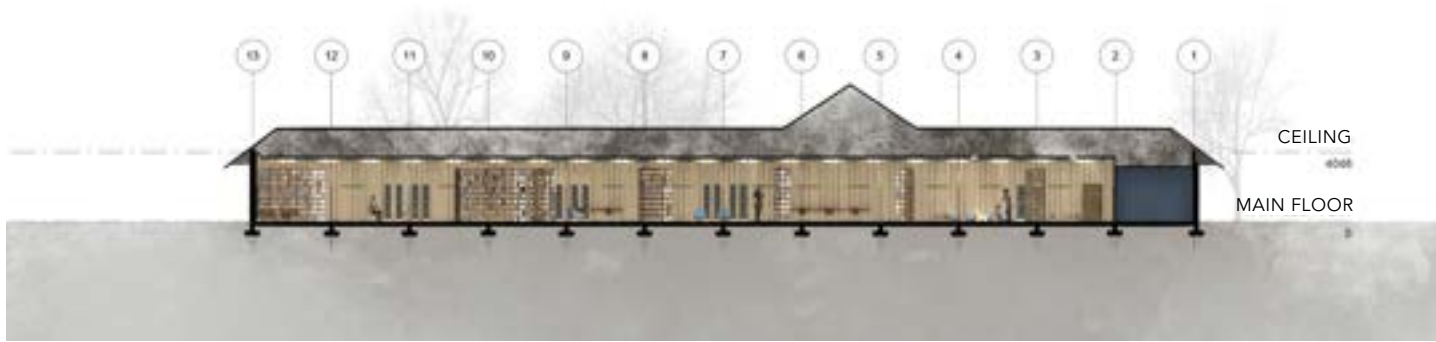
The students reinterpreted an interior space of a branch library located at 2724 Pembina Hwy, through the lens of concepts and ideas discussed in the studio such as:

Library as a Civic Icon
Library as a Civic Centre, and
Library as a Third Place.

A particular attention was given to the emerging issues that will affect the programming, spatial and design requirements. Students referenced the provided literature and resources and conducted research into activity or activities they wanted explore in the context of a branch library. Site analysis and study of demographics and social factors also influenced the programming, planning, and overall design outcomes. Although, civic planning was not a primary design objective, considerations were given to the location and site factors that influence the interior space. For example, it is important to consider that the library is a quiet refuge for visitors and, as such, exits do not open directly onto busy streets (Edwards, 2009, p. 27). A special consideration was given to the main entrance as a prominent design feature that is distinctive but also respectful of the urban fabric.

Proximity to a public transit, or even incorporation of transit shelters, was considered in order to encourage a wide variety of access to the library.

Different activities and modes of access to knowledge require different spatial and environmental requirements. People engage in semi-private activities such as reading in a public space and must observe the etiquette of silence. For this reason, planning techniques and special materials were used to isolate noise in public areas from quiet, focus areas. Providing proper lighting levels such as 300 lux for reading or blocking the UV light in private collection areas become necessary. Sequencing the circulation is also important, considering that in modern libraries the computer screen or queuing at the café may be the first activity the users engage upon entering the library (Edwards, 2009, p. 20). While the core library areas (lending library, reference library, reading room) are still applicable, other associated spaces (digital collection, special collection, café, community and educational areas) were considered and incorporated where necessary.



BUILDING SECTION 2

Top. Kyra Penner.
Rendering of reading
room B.

Middle Left.
Erica Munnik.
Rendering of library.

Middle Right.
Kyra Penner.
Rendering of
reception

Bottom. Kyra Penner.
Building elevation.

EVIE 3008:
Interior Design Studio 3.2

Umid Abdullaev
+ Amanda Reis

Alluvial Forests

Worldwide, the fluvial dynamics of rivers and creeks and the formative energy of their waters have shaped the ground of alluvial forests. These forests contain an exceptional diversity of habitats based on a wide range of environmental conditions caused by the interplay of water and land. Alluvial forests have been destroyed over the past 200 years, and their natural dynamics have been heavily manipulated. Alluvial forests need advocacy from politicians, activists, and environmental designers. Environmental Designers should raise their voices and develop concepts and ideas to protect, preserve and restore these fascinating habitats and their biodiversity.

CREEK BEND PARK - SITE ON TARGET

On a large scale, the goal is to extend the already existing corridor of publicly accessible riparian terrain along the Seine River, which starts at Abinojii Mikanah Highway with Orchard Hill Park and leads through the Bois des Esprit all along the Seine River's Greenway Trail.

Image.
Paige Micalyshen.
Site Plan.

EVLU 3008
Studio 4

Dietmar Strab
+ Anna Thurmayr

Between Creek Bend Road and Aimes Road, a magnificent stock of trees shapes the riparian corridor along the Seine close to the Perimeter Highway. This section is not open to the public and is the focus of design interventions in this studio. The site is laden with history, stories, and rich riparian habitats. The Creek Bend Park can be essential in completing the Seine River's green spine. The students revealed the place's cultural and 'natural' assets through scientific and poetic site analyses to portray what was already there.

On a site scale, this studio aimed to develop an appropriate program for this sensitive riparian forest of Creek Bend Park and make it accessible to citizens for recreation and leisure activities while enhancing the ecological qualities of the place. The designs responded to the existing site conditions and took advantage of what was already there. The students were invited to develop inspiring concepts to make the riparian park, its beauty, and its ecology accessible to an interested public.

Students:
Omar Abdelsalam
Sarah Adamkowicz
Danielle Blanco
Micah Davison
Emilio Daza-Blais
Meriem Driouich
Adam Griffiths
James Sepino
Emily Hill
Changtai Li
Angelica Mandapat
Leo McAllister
Andrea Mejia
Paige Micalyshen
Genesis Pena Pena
Michael Rados
Eva Hagel MacPherson
Kamryn Sigvaldason
Lucas Szpigel
Alan Tam
Junelle Tapia
Dae Williams
Yuxin Xie



Top Left.
Danielle Blanco.
Site Plan.

Top Right.
Lucas Szpigel.
Site Plan.

Bottom Left. Kamryn
Sigvaldsen. Site Plan.

Bottom Right.
Sarah Adamkowicz.
Site Plan.

Emergent Futures

In this studio, creating a strategic landscape architecture design (SLAd) begins with a vision that encompasses essential elements for the World's future yet also relevant for Stonewall, Manitoba. A SLAd is derived from an array of given scenarios from which different programs for green, water, the built environment, are proposed. The scenarios describe the future state of Stonewall thirty years from today. In this exhibition, students presented their research and design through a variety of forms and methods: GIS, SWOT, data sculpture, movies, sketches, and landscape pixel models.

Students:
 Teegan Gillich
 Ipalo Phiri
 Rownak Moutosi
 Will Kendrick
 Shubham Mahadik
 Zach Pankratz
 Julien Tétrault
 Johannah Javier
 Reille Ettawacappo
 Brandon Gatz
 Alaleh Sharghinezhad
 Yutong Mu
 Kimia Taghavi
 Thomas Brown
 Devin Lam
 Kyra Kwiatkowski
 Tiana Swintak



Top. Teegan Gillich. Horizontal Gardens.

Bottom. Thomas Brown. Wildstone Provincial Park Installations.



Left. Tiana Swintak. Data model of tree canopy and greenspace in Stonewall, MB.

Right. Kimia Taghavi. Data model of housing types in Stonewall, MB.

BIOM_Studio

towards the Biocene!

(Part II)



Earth's resilient, but also very delicate, climate balance has allowed humans and other living forms to thrive and evolve in the past. This balance has been disturbed by massive human transformations of geological, ecological and climate systems in what is already known as the Anthropocene age. Although there is no clear date for the beginning of this new geological era, there is evidence of human impact on ecosystems as early as 45,000 years ago (Harari, 2016), and surprisingly one of the most devastating ecological disasters took place during Homo Sapiens colonization of continental lands which drove half of the largest terrestrial species to extinction. However, it is only now that we directly witness how anthropogenic and pervasive climate changes result in more frequent and virulent natural disasters, and drastic transformations of Earth's biomes that may limit our chances of survival as a species. Humans, like any energetic system, aim to secure all available sources of energy to maintain and multiply their group. Our incredible ability to socialize, collaborate and transfer knowledge at large scales has facilitated our access to higher-quality forms of energy, but unfortunately, we have been so successful in this endeavour that our pace at extracting and consuming resources is too fast for the Earth's systems to regenerate.

Top. Nick Epp.

Bottom. Daven Patel.



Humans, as a species, can use these very same social and collaborative skills to move away from the Anthropocene age and evolve towards the Biocene.

In the Biocene age, biocentric cultural, societal and technological systems are inspired by lessons learned from natural systems. Some of these systems have thrived for millions of years without endangering the planet or their species' survival. They offer lessons of resilience, symbiotic collaboration with other organisms, responsible use of energetic resources or adaptation to unexpected challenges. The Biocene mindset moves away from anthropocentric paradigms and cares equally about all living and non-living entities on our planet.

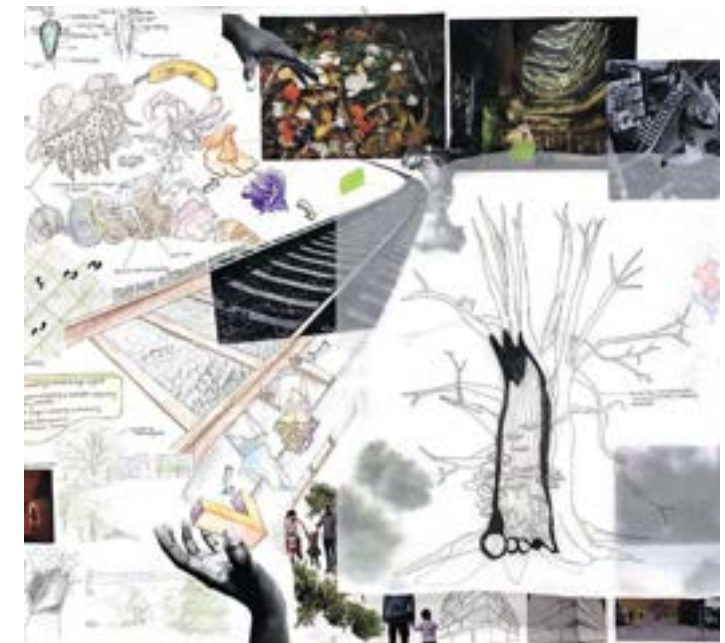
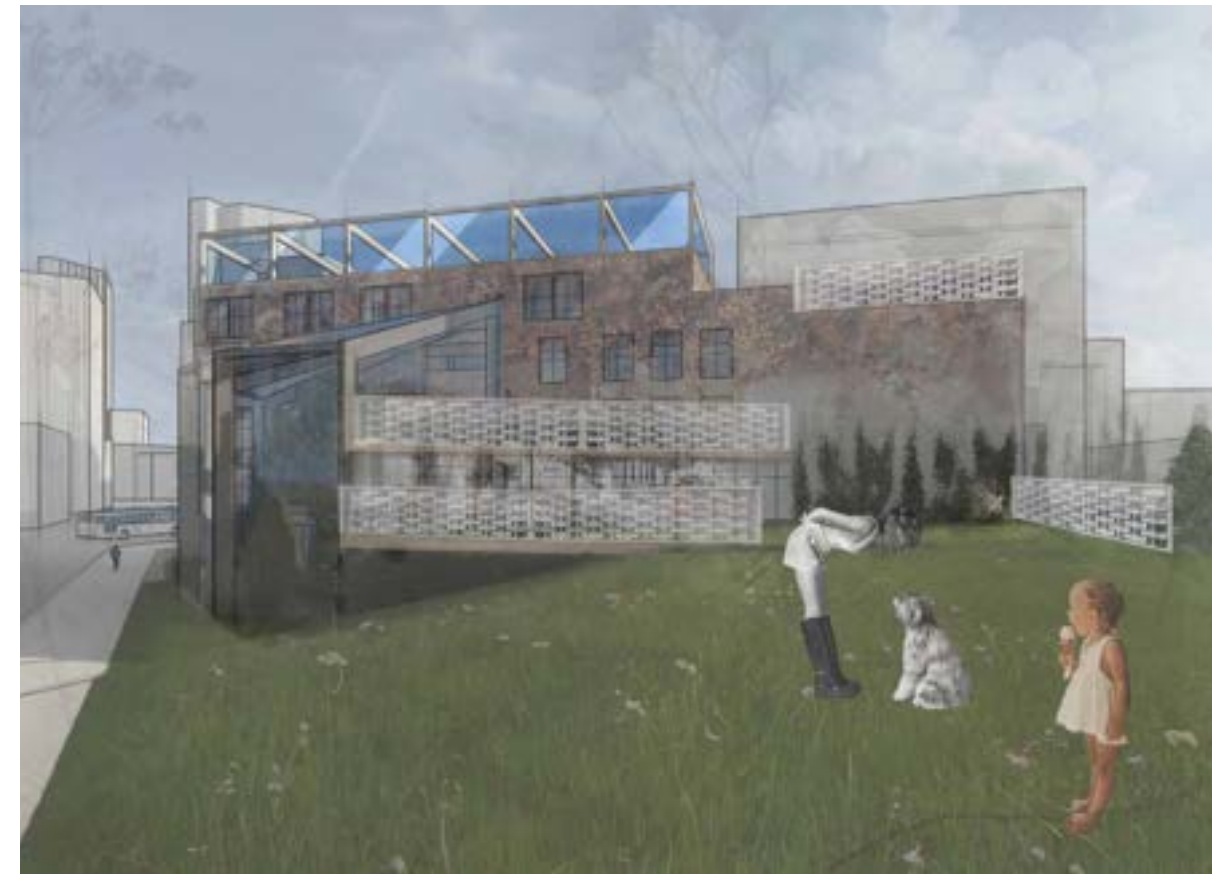
At the BIOM_Studio students were encouraged to: 1) include systemic thinking strategies and tools in their design processes; 2) develop quantitative models to support net-positive and regenerative design projects; 3) implement biomimetic design methods and experiment using biomaterials. On our journey towards the Biocene, BIOM_Studio participants designed net-positive and regenerative buildings that mimic Nature's strategies for climate change adaptation and mitigation.

Students:
Yasamin Kazemi
Nicholas Epp
Harshdeep Arora
Sohaib Sohaib
Christopher Okunade
Cait Pelle
Jayda Brown
Stephanie Insignares
Daven Patel

Top. Cait Pelle.

Middle. Christopher Okunade.

Bottom. Jayda Brown



ARCH 7060:

Mercedes Garcia-Holguera

MIN / MAX LIVING



Constructing a precast concrete HYBRID SCAPE

The studio focused on developing an alternative to social housing [how we might live with others in the city]. While one can have disdain for the name social housing and the banal and inhumane projects that the term conjures, we do believe in the real possibility of collective living and the necessity and responsibility as architects to explore new possibilities in this area. Presently there is a crisis in housing in Canada, both a shortage and crisis in affordability and type.

Work is supported by the Canadian Precast Concrete Institute. CPCI Work Presented is a One Term Project

Students:
Saba Ammari
Natalie Bajet
Dallin Chicoine
Rumy Demir
Alessia Foderaro
Parsa Nejad Iradmusa
Thy Nguyen
Akhyar Razzaq
Sabba Rezai
Jae Rivera
Jim Santos
Karmakar Sutanu
Arman Yaghoubi
Amin Zargar

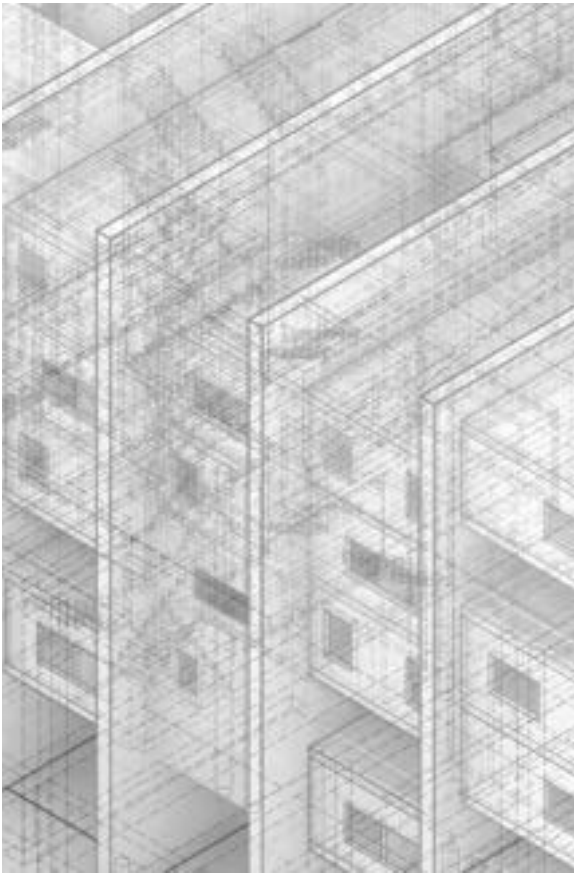
Image.
Natalie Bajet.

Top Left.
Dallin Chicoine.

Top Right.
Thy Nguyen.

Bottom Left.
Saba Ammari.

Bottom Right. Karmakar
Sutanu.



Ligneous Artefacts

for Lake Manitoba's First Nation's New Green Heart

Project-based learning is essential in acquiring critical competencies in design education. For example, preliminary courses at the Bauhaus in the 1920s thoroughly prepared students for professional design careers. The teachers shared a desire to use pedagogical means and programmes to encourage holistic and creative thinking. Inventive experiments using a wide range of materials such as glass, wood, metals, and ceramics were at the core of Bauhaus education, with its workshop-centred concept.

Ligneous Artefacts is the title of the ARCG 7102 studio I taught at the University of Manitoba during the summer term of 2024. The goal was to design and build a series of non-standardized site-specific features for the Shared Path, a trail landscape designed by Professors Dietmar Straub and Anna Thurmayr from the Department of Landscape Architecture that turns a site on Lake Manitoba First Nation land into a gathering place where young and old can meet, share, and create new stories. The artefacts had to be developed as informal place-making tools that enrich the landscape and inspire social interaction. The design approach was based on an attitude of the German sculptor Rudolf Wachter: "I work with wood, and the wood works with me."

ARCG 7102:
Dietmar Straub

Within four weeks, including field trips, community engagement and an on-site visit, the studio team progressed from rough drafts to a final product. Cutting, sawing, grinding, sanding, routing, drilling, and chiselling, after one week of sweat and hard work, all pieces were ready for assembly. The professional execution of all fabrication steps happened in close collaboration with the workshop of the Faculty of Architecture, University of Manitoba. Special thanks to Kellen Deighton for his priceless involvement in this studio project and Shaun De Rooy and Isaac Keeper-Muswaggon for their precious contribution!

I have frequently invited students to gain hands-on experience on outreach projects. They were involved in tree-pit construction and asphalt painting. They dug in Winnipeg clay, compacted Manitoban limestone, hammered stones, bricks, logs and asphalt, used brushes and paint rollers and now fabricated five 'masterpieces' of wood and some metal parts. I want to apply this model to narrow the gap between theory and practice and to create a closer relationship between scholarly work and teaching. With its workshop-centered concept, the Bauhaus design education still seems to work as a timeless inspiration for passionate design education and students.



Top. Assembly and Intermediate Product Test.
Image Credit: Dietmar Straub

Bottom. Industrious Craftspeople.
Image Credit: Dietmar Straub

Students:
Marty Derksen
Vanessa Dos Santos
Michael Fitzpatrick
Carlo Gonzales
Augusta T. Ho
Kanika Mehta
Rownak Jahan Moutosi
Brady Ricketts
Marie Alexie T. Seno
Ruichen Zh

Top. Ligneous Artefacts.
Image Credit: Dietmar Straub

Middle. Final construction.
Image Credit: Dietmar Straub

Bottom. Happy Ending.
Image Credit: Dietmar Straub



"Knowing is not enough, we must apply. Willing is not enough, we must do."

- Johann Wolfgang von Goethe, 1829





Research

STRUCTURES
TEST AREA
END IN ARCH



Top. Ilse Bing. Glass partitions on the balconies of the Budge Foundation Old People's Home, Frankfurt, Germany. 1930. Gelatin silver print. CCA Collection, Montreal. © Estate of Ilse Bing.

Bottom. Charles Marville. Avenue de l'Opéra (espace compris entre la rue Louis-le-Grand et la rue d'Antin, vers l'Opéra). 1876-77. Musée Carnavalet, Paris.



I am currently completing *Photographic Purlieus: Intersections of Photography with the Built Environment*, a book that examines the relationships between photography and design. This study utilizes an interdisciplinary approach informed by the methodology of cultural analysis. This book analyzes the longstanding and often dialectic relationship between photography and the built environment. Specifically, it argues that when used as social practice, photography is a significant tool to investigate the built environment, providing insight into the understanding of space and place by both their architects and photographers. This study is not a historical survey or an overview of the photographic medium in relation to architecture. Instead, it reflects on a selection of work by photographers whose practices engage with the intersection of photography with the built environment.

It contains three central themes: 'Histories and Narratives,' 'Decategorizing and Metaphor,' and 'Issues and Agency.' Each section provides a close reading informed by a cultural analysis perspective of photographs concerning concepts that include placemaking, mise-en-scène, narrative, settlement, and surveillance, as well as issues such as photographic social activism and its relationship to the built environment. Selected images related to these ideas are examined from the work of both historical and contemporary photographers and include Carleton Watkins, Frederick Evans, Eugène Atget, Charles Marville, Gabor Szilasi, Geoffrey James, Bern and Hilla Becher, Kenneth O' Halloran, Lynne Cohen, Candida Höfer, Anthony Haughey, and Donovan Wylie. It should appeal to photographic scholars, practitioners, and the public interested in design culture.

Susan Close

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Advancements in digital scanning technologies have significantly impacted the discipline of interior design. Jason's current research at the University of Manitoba investigates using Light Detection and Ranging (LiDAR scanning technologies and photogrammetry to capture highly detailed 3D representations of interior environments. Jason's innovative work intends to preserve spaces with historical and cultural significance and seeks new interaction and exploration methods within virtual reality (VR).

The core of Jason's research involves generating digital 3D scans using various forms of laser scanning technologies, including body-mounted LiDAR scanners and smartphones equipped with LiDAR / Photogrammetry capabilities. Although standard in fields like archaeology and video game development, these tools are relatively underexplored in the field of interior design. Jason's work responds to this by capturing and translating physical environments into interactive VR simulations using game development platforms such as Unity and Unreal Engine 4.

Much of the research addresses the technical challenges encountered during the data acquisition process of 3D scans. These include managing data complexity and ensuring scalability and compatibility. The research also explores issues related to the interoperability of proprietary systems, the collection of metadata, and the preservation of 3D work, including archival considerations around file size, data complexity, and compression methods. The goal is to establish a comprehensive framework for archiving, documenting, and distributing these digital representations, ensuring their longevity and accessibility for future study.

Furthermore, the research outlines processes to create detailed representations of physical spaces and subsequently translate these into virtual simulations (VR) and web-based interfaces. By focusing on locations of historical and cultural significance, the project seeks to preserve important spaces in a digital format that allows for immersive and interactive exploration.

In conclusion, this research contributes to a deeper understanding of the current capabilities and limitations of 3D scanning and VR technologies in interior design. It offers knowledge on best practices for digitally preserving 3D scans and representing significant interior environments. The outcome of this work has the potential to enhance how we experience and interact with historical and culturally significant spaces, offering a new dimension to the field of interior design.

Jason Shields is grateful for the support of the SIEF fund and the University of Manitoba, as well as the Social Sciences and Humanities Research Council (SSHRC), URA program, and the hard work of undergraduate research assistants Vyas Gopal, Shianne Epps, and Celine Huynh.

Anyone wishing to make recommendations for culturally or historically important spaces for potential scanning, please contact Jason Shields at jason.shields@umanitoba.ca. You can find more information about upcoming and ongoing research projects at jasonshields.com.



Top + Bottom. Jason Shields.

Jason Shields

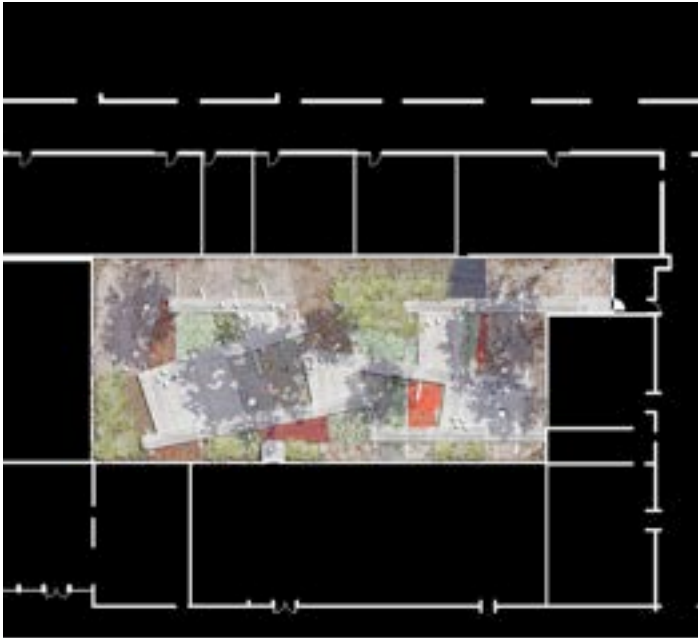
59

Photographic Purlieus:

Intersections of Photography with the Built Environment

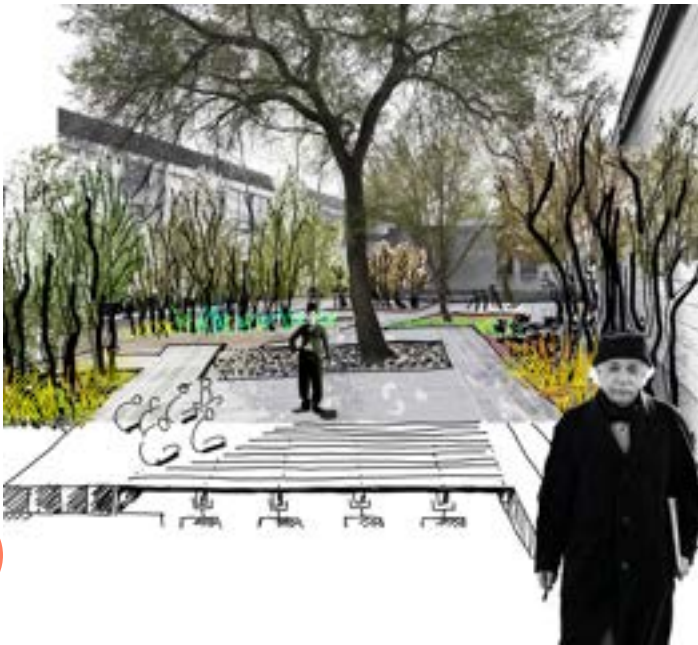
The Taste of Chlorophyll

Dietmar Straub + Anna Thurmayr



Top. A platform for learning and laughing
Credit: Straub Thurmayr Landscape Architects

Bottom. Cold shadows in the warm light
Credit: Straub Thurmayr Landscape Architects



Our Research by Design facilitates a close relationship between scholarly work and creative work, academia and local communities, teaching, and outreach. It operates successfully and effectively at the University of Manitoba to generate critical inquiry through realized design work while also integrating outreach activities. All our community work is pro-bono and non-profit.

A good school needs more than teachers, books, and classrooms. Plato founded an academy in an olive grove outside the gates of Athens. Here, he and his students enjoyed teaching, learning, and wandering at leisure in the cool shade of trees.

The Taste of Chlorophyll has been implemented in collaboration with the Westwood Collegiate in Winnipeg. The courtyard is like a clearing in a forest, a window through which the sky, the sun, the clouds and the always changing seasons are perceptible. Attention to all existing trees was of the highest priority. Our responsibility was to insert a design that does not touch the ground or harm the roots. The wooden framework is simply put on top of the ground and hovers above the existing surface offering an ideal seating height at its edges. The decks are an invitation to sit and linger all day long. The structure seems to float on top of the surface and touches the ground only lightly.

A stage for you? Playing, teaching, and learning amongst living plants still seems to be the archetypical notion of a 'good learning place'- a setting in which all the senses and even the soul is stimulated in a pleasurable and creative way. The result of our design investigations is a mosaic of light and shade and offers a stage for moments of happiness between heaven and earth for all students, staff, and visitors at Westwood Collegiate.



Top. The chosen construction method touches the ground only lightly
Credit: Dietmar Straub

Bottom. Shadow players
Credit: Dietmar Straub



Manitoba Farmstead Shelterbelts

Stories of Land, People and Dwelling

Brenda Brown

With support from a Canada Social Sciences and Humanities Research Council (SSHRC) Insight Development grant and a UM/SSHRC grant, Brenda Brown and her team began research on Manitoba Farmstead Shelterbelts in summer, 2020. A major outcome of this work is an exhibition of drawings, photographs, interview excerpts and video that opened at Manitoba Agricultural Museum on June 2, 2024.

While based on natural materials, forms, and processes, southern Manitoba's rural landscape is in large part a human constructed one, one in which, for over a hundred years, farmstead shelterbelts have had a major role. This research and exhibit centers on Manitoba farmstead shelterbelts in the early 2020s – distinctive, everyday, rural landscape elements and their significance for those who live with them. As hypothesized and borne out in the research, Manitoba's shelterbelts are not only significant and distinctive visual and ecological landscape elements, they are also psychologically, socially and culturally meaningful.

In summer 2020 and 2021 Brown and her team traveled southern Manitoba and visited some twenty-

three properties. Their farmstead shelterbelts were measured and documented in diagrams and drawings; their occupants interviewed and recorded. The shelterbelts were recorded too -- visually and aurally -- in what added up to many hours of video. More refined drawings – plans, sections, perspectives and diagrams – were developed over the next two years as interviews and video footage were edited and composed.

The exhibit has 31 graphic panels. Eight provide historical and contextual introduction. Each of the remaining 23 represents one of the properties, its shelterbelts and the stories – and often photographs – of those who live there. The video is comprised of excerpts from each of the recorded interviews and video film -- with sound -- of the speakers' farmstead shelterbelts, their trees often moving in the wind.

The exhibit ran until September 30, 2025. A richly illustrated book is in preparation.

Image. Brenda Brown speaking at exhibition opening at the Manitoba Agricultural Museum.



With research assistants: Emma Dicks, Gel Ilagan, Lindsay Mamchur, Kacie Reimer, Manuela Villareal + Michaela Peyson.

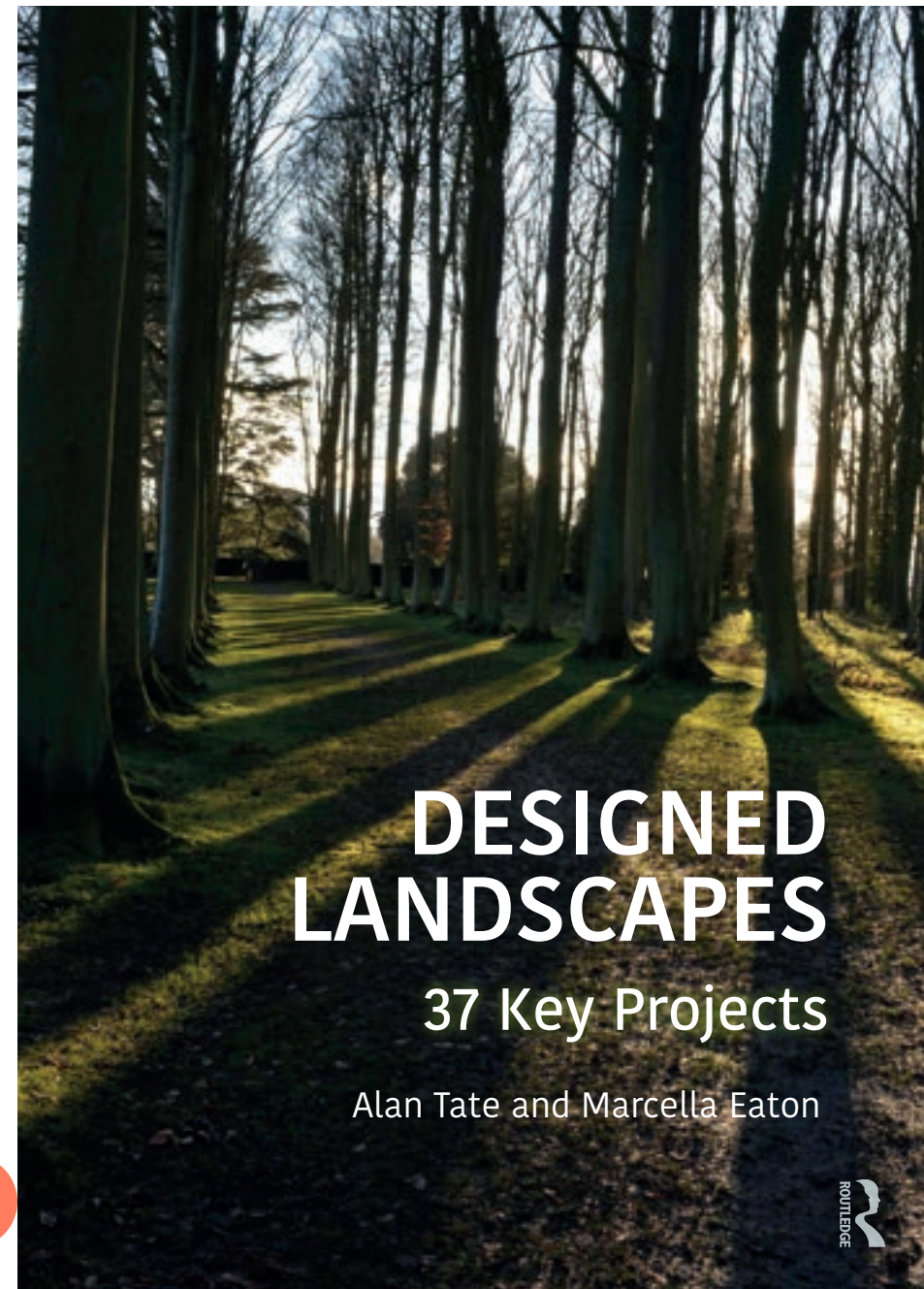


Top + Bottom. Project drawings at the Manitoba Farmstead Shelterbelts.



Designed Landscapes

Alan Tate + Marcella Eaton



Designed Landscapes is a case-by-case study of 37 significant, existing works of landscape design worldwide, largely constructed since the Renaissance. Being an informative and easy-to-read reference volume for practitioners and students alike, it presents key precedents in landscape architecture using site plans and recent photographs to showcase each project.

Organised and presented in 12 sections based on project type, each project is examined based on date, previous site condition, designer(s), design intentions, current composition, unique features, ownership and management, and comparable projects. Each chapter offers an insightful critique of the featured projects.

Written by the authors of Great City Parks, the book posits that these carefully selected key projects have maintained their status throughout the ages because they express values and design intentions that continue to inform the practice of the landscape architecture in the present day. The book concludes with a ten-point summary of lessons for professional practice gleaned from the studies.

Including a wide range of case studies from countries including many in western Europe, the United States, Canada, India, Japan and China, and lavishly illustrated with over 200 full-colour images, the book is a must-have volume for anyone interested in the history and current practice of landscape architecture.

Image.
Designed Landscapes
37 Key Projects
Book Cover.



Top. Drawing room.
Lawrence Bird



Middle. Harvesting
Trauma. Still.
Lawrence Bird



Bottom. Fort Ellice.
Sputnik Architecture

I'm interested in the intersection of image and space, and I take an interdisciplinary approach to that subject – trying to work between architecture, landscape, urbanism and art. Each of these fields are important; but besides developing distinctions between disparate aspects of our world, human experience unites them. When push comes to shove, I fall on the uniting side of this process, and I try to move fluidly as a creator between disciplines to achieve that. My most recent projects include the interactive multimedia installation [drawing Room at Video Pool Media Arts Centre](#), created as part of the 2024 Media Art & Technology Residency; and research into representations of Winnipeg in film, to be published soon as “Harvesting Trauma: Space in Moving Image Media, Winnipeg, Canada,” in *THE SPACE OF IMAGE: Architectural Experience through Media*, London: Intellect Books (forthcoming, 2024). I'm also proud to have contributed to Sputnik Architecture's landscape installation and museological exhibit Fort Ellice Interpretive Trail near St-Lazare, Manitoba, developed in consultation with First Nation and Métis communities; and to have contributed the chapter “[Burning Down the House: Architectures of Image in the films of Rhayne Vermette](#),” to the book *Exovede in the Darkroom*, Winnipeg: ARP Books (2023). I'm presenting video projections *Cargo* (2023), on landscape impacts of global shipping networks, at xCoAx conference in Treviso, Italy this summer; and *Dominion* (2018), on landscape impacts of the Dominion Land Survey, at the International Symposium on Electronic Art in Brisbane, Australia (remotely).

Lawrence Bird

BIOM_Lab:

Bacterial Cellulose for Extreme Environments and Material Autonomy

Image.
Mercedes
Garcia-Holguera



Top + Bottom.
Mercedes
Garcia-Holguera

Design and construction with bio-based materials have great potential to tackle environmental-related challenges, and research in this field is showing, for example, how certain biomaterials can be produced at room temperature and have lower embedded energy or support circular economy strategies by integrating discarded agricultural and industrial resources that are removed from waste streams. More importantly, some biomaterials have similar or improved mechanical and hygrothermal properties compared to standard construction products and can be grown and manufactured locally, drastically reducing emissions, costs, and energy use associated with materials transportation. This aspect is especially relevant in the case of remote and isolated communities in Northern Canada, where costly and reduced accessibility to construction materials, combined with extreme climate conditions and colonial architectural typologies, diminish the ability of the population living in these regions to develop self-sufficient materials and energy management strategies. Part of the research conducted at the BIOM_Lab aims to address some of these challenges by studying prototypes of bacterial cellulose-based materials that can be grown and installed in northern communities and contribute to addressing housing accessibility in extreme climates.

During the past year, we have exposed several medium-sized samples (metre scale) of bacterial cellulose to Winnipeg's extreme climate conditions to observe the degradation of this material in different arrangements. Some lessons learned corroborated findings from previous experiments with smaller samples (centimetre scale), while new observations added to the current understanding of the material. For example, we confirmed that biodegradation happens at a faster rate in 1-layer and 2-layer samples of bacterial cellulose, and it's much slower in 3 and 4-layer samples. We also identified the attachment points

between the bacterial cellulose and the frame as the weakest points of the panelling system, and in comparison to the smaller samples, maintenance and repairs were needed more often. However, several configurations of the bacterial cellulose material were successful and maintained most of its integrity and will be considered in the next stage of this project. Overall, the results encourage us to continue exploring the potential of bacterial cellulose as an outdoor material with a high potential for local production, reduced energy use, and alignment with design for decay strategies.

Mercedes Garcia-Holguera



Courses



Top. John Manahan.
Model Rendering -
Mockup.

Bottom. Damisi
Opayemi (left) + Amy
McFadden (right).
Matrix of drawing and
model development
poster - Mockup.

We draw to learn and understand. We draw to find out. We draw in open discovery. We draw as an analogous practice to construction. This course was a focus in practice. The practice of looking, the practice of using the hand to translate what one sees into line and surface. Repetition is an essential key to skill development. The course repeated weekly the drawing and redrawing a simple household appliance. Students first measured the objects and took key measurements. 2D drawings were produced for plans and elevation. 3D models were developed from the drawings to create section, isometric drawings and renderings. The developed work was then aggregated into composed posters and eventually portfolios. The course prioritized the introduction of key industry standard software as mere tools that can be used to digitally conceive, develop and produce digital representations of anything the students can dream of.



Drawing: Freehand/Digital

EVAR 3014

Zach Pauls



Communication for Architects

Architectural communication requires a wide array of discrete competencies that are essential to master as a comprehensive skill set. Many key communication subcategories are overlooked, underdeveloped or left to independent growth. Architecture schools spend the majority of teaching/ learning time spent preoccupied with the singular pursuit of Visual Communication skills. Understandably Visual Communication skill development is difficult and the dominant communication language for all designers, these Visual Communication skills account for only portion of the time spent

communicating in both academic and professional settings. This topics class focused on a non-visual communication modes. Verbal, Non-verbal, Listening, Written, and Intuition are a few of the topics that architecture students should concentrate on developing as they move through their design education and move into the profession.

Top. Daven Patel.
Final communication
booklet mockup.

ARCH 7000:
Advanced Technology Topics

Zach Pauls

Frozen Structures / Fluid Forces

We wish to extend our gratitude to the Atmosphere Conference for supporting this project!



Top. Students laying out sein netting and attaching it to the J.A. Russell Building courtyard.

Bottom. Students installing wooden posts to receive the new netting on Tapume.



“Thought is a material process whose content is the comprehensive answer given by memory, which includes emotions, muscular reactions, and physical sensations that spring from that answer and merge into it.”

– David Bohm, from *Universe, Mind, and Matter*.

In this Advanced Topics course, students had the opportunity to work collaboratively with the unique challenges of our cold winter climate to craft fabric-formed ice shell structures. However, an unusually warm winter, with temperatures frequently above freezing in mid-January, prevented the realization of these structures.

Adapting to these circumstances, the class redirected its focus to develop two projects centered on designing and building tensile membrane structures, utilizing the unique potential of two distinct sites. The first project took place in the J.A. Russell Building Courtyard during the Atmosphere Conference from February 1-2, 2024. Students proposed individual ideas and collaborated to create a cohesive design using Sein River Netting and string, attaching it solely to the window mullions of the courtyard to produce a site-specific installation for the event.

The second project involved the playful scaffold of the Tapume project by Eduardo Aquino, located in front of the J.A. Russell Building. This setting provided a unique opportunity to repurpose the materials used during the conference to create a new exterior for the Tapume structure.

Despite the sudden impact caused by the unseasonably warm weather, the creative and committed efforts of the students made it possible to produce designs for these two sites in only 5 weeks. Thanks to the students for their positive and engaged efforts!



Students:
Saba Ammari
Rebekah Enns
Stephanie Insignares
Michael Lucenkiw
Parsa Nejad Iradmusa
Christopher Okunade
Sabba Rezai
Arman Yaghoubi
Amin Zargar

Image. Installed netting scrim receiving shadows and light from the trees and reflected light off the windows.

Indigenous Peoples and Community Planning

Students:
Alandra Barairo
Ebenezer Akakpo
Evan Ferguson
Gillian Kolody
Jaclyn Gavas
Jennifer Asaim
Jess Miranda
Nikki Gebken

Indigenous peoples have envisioned and managed their territories and their communities since time immemorial. Throughout this course, we visited and met with Elders, Knowledge Keepers and staff at First Nations and community organizations who are practicing planning as a means of upholding self-determination and resilience.

We learned about how First Nation relationships to land, language and knowledge shape planning practice, and how local organizations create spaces to share cultural teachings and mutual support. We learned about how the development of Naawi-Oodena (Canada's largest urban reserve) will shape Winnipeg's future, and we learned about Sagkeeng Anicinabe Nation's Nigan Aki program, which will protect Sagkeeng territory across three Treaty areas.

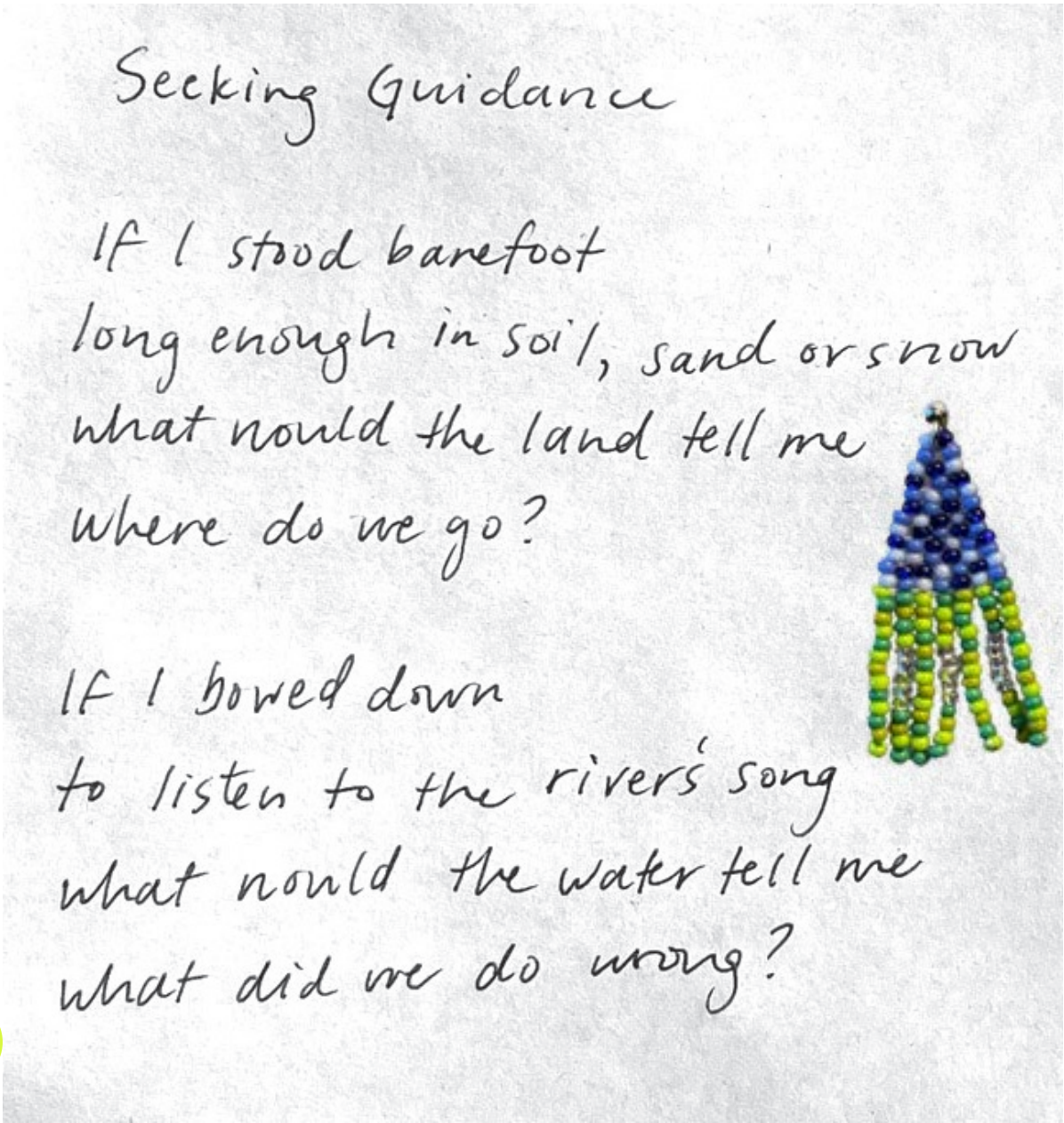
Top. A mind map of factors shaping Indigenous planning in Canada, based on learnings from guest speakers and field trips. (Credit: Indigenous Peoples and Community Planning).

Middle. We visited Sagkeeng Anicinabe Nation to learn about the Nigan Aki program. (Credit: Sagkeeng Anicinabe Nation).



Bottom. Nikki connected the teachings we heard during our field trip to Sagkeeng Anicinabe Nation to these eagles seen by the Pine Falls Generating Station. (Credit: Nikki Gebken)

To demonstrate and document their individual journeys through the course, students developed learning portfolios. These included creative visual, audio, video, and written entries where students reflected on what they were learning, and how it fit (or not) with their previous learnings and experiences. Students' entries were creative, and included photos, drawings, mind maps, podcasts, poems, journal entries, and reflections on found objects. In addition, the learning portfolios included a precedent study of a planning project currently being undertaken by Indigenous organizations, communities, nations or people in Manitoba. The final portfolio included a learning summary, where students reflected on their learnings throughout the course, and what they would take forward into their future education and careers.



Left. Jess Miranda. Jess' poem reflects on Elder Valdie Seymour's teachings about how knowledge comes from the land.

Right. Gillian Kolody. Earrings: Gillian's beaded earrings reflect on the teaching of Seven Generations.



Construction Materials

+ Barkman Concrete Design Competition



This course helps students navigate the base palette of natural and artificial building materials in use by landscape architects and urban designers, looking at practical applications and interactions between soil, concrete, brick, asphalt, wood, metal and geotextiles, as well as planting technologies, earthwork, and simple deck, fence, and wall design. Basic technical detail drawing conventions were covered, as well as the sustainability aspects of material choices. Beyond traditional or basic uses of building materials, the course touches on some alternative applications to illustrate how creativity informs all stages of the design process. Through lectures, tours, and assignments, students were exposed to the reciprocal relationships between design ideas, materials, and details, and understand that construction detailing is a direct and vital expression of the designers' vision.

Image. Barkman Concrete Tour, October 2023. Credit: Glen Manning

Students:
Teegan Gillich
Will Kendrick
Zach Pankratz
Julien Tétrault
Johannah Javier
Reille Ettawacappo
Brandan Gatz
Thomas Brown
Devin Lam
Kyra Kwiatkowski
Tiana Swintak
Bianca Abellanos
Boru Ali
Busola Ayoola
Kiana Baul
Reece Cullen
Lisbeth Hildebrand
Quintin Madill
Grace Olokun-Jalyesimi
Mia Spletzer-Moffatt



As a part of this course, students participated in the annual Barkman Design Competition. The task was to design a new permeable paving system that demonstrates how this technology can be applied in Winnipeg and expand the aesthetic and technical possibilities for designers. The jury sought compelling ideas for a permeable paving system that is flexible, attractive, and easy to integrate.

1st Place: Meta - 60
Boru Ali
Brandan Gatz

2nd place: Clover
Teegan Gillich
Johannah Javier
Zach Pankratz

3rd place: Quarter Wave
Thomas Brown
Kiana Baul
Busola Ayoola



Ecology + Design 2

Animal + Landscape



Students:
Omar Abdelsalam
Sarah Adamkowicz
Danielle Blanco
Micah Davison
Emilio Daza-Blais
Meriem Driouich
Adam Griffiths
James Sepino
Emily Hill
Changtai Li
Angelica Mandapat
Leo McAllister
Andrea Mejia
Paige Michalysen
Genesis Pena Pena
Michael Rados
Eva Hagel MacPherson
Kamryn Sigvaldason
Lucas Szpigel
Alan Tam
Junelle Tapia
Dae Williams
Yuxin Xie



Top + Sketch.
Kimia Taghevi. The Batfroglin.

Bottom. Sarah Adamkowicz.
The Dragonstar.

By considering one animal in relation to the landscape it inhabits it is possible to better understand the phenomena, processes and relationships at work in that landscape ecosystem. While an animal is the seeming focus, it is also a medium for better comprehending the landscape and the interrelationships at work there.

Students were tasked to design an animal, situate it in a particular landscape ecosystem and create a book about it. The landscape had to be existing or it could have been the student's invention. Their animal may be something of a hybrid of two or more other animals or it may be an imagined evolution of an existing animal, or . . . but it is not a particular one existing now or in the past. It is expected that in this creative process students were drawing on, integrating, and enriching lessons from this class.

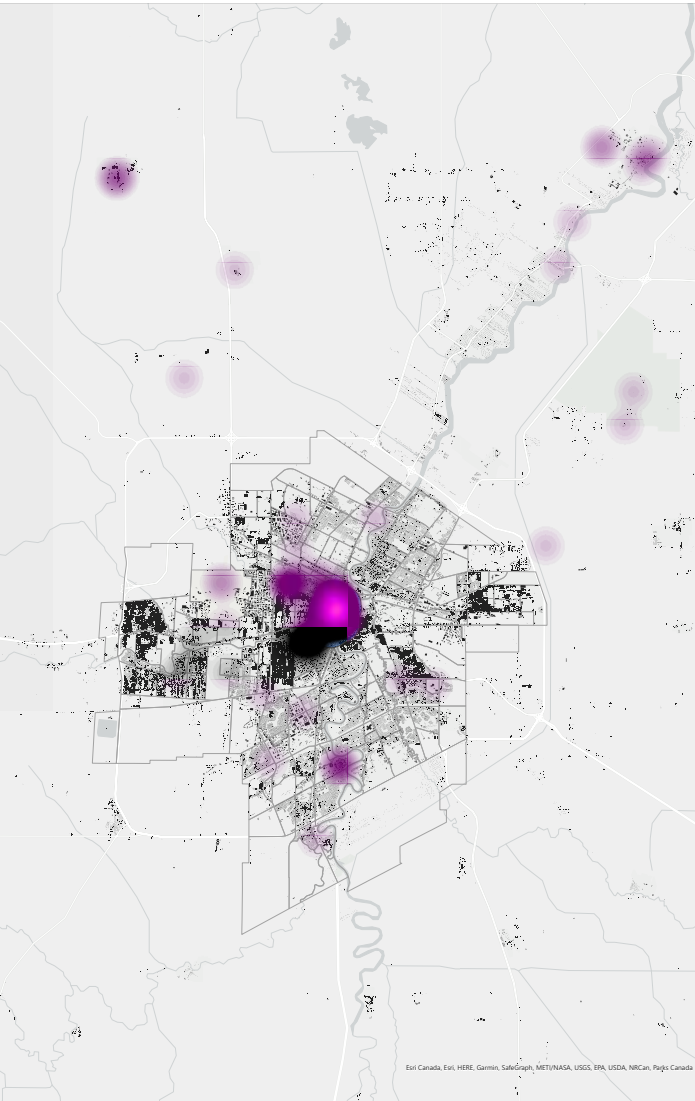
In designing the animal the student's considered for the following:

- Anatomy (its physical form and structure)
- Physiology (its various internal processes such as digestive and metabolic processes and changes)
- Habitat (obviously that will be the landscape but it may be particular parts of that landscape are important for different activities such as grazing, hunting, shelter)
- Behaviours (ex. Individual &/ or group, migration, hibernation, mating, interactions with the environment and other organisms, Trophic relationships/ energy balance (place in food web)
- Life expectancy/life span

Whether existing or of your own invention the landscape you choose must be subject to at least 2 seasons, distinct enough from one another that the animal needs to adapt.

Digital Mapping + Analytics

Maps provide generalized and selective knowledge that is instrumental in our understanding of the environment. Map-making is now ubiquitous in multiple domains, particularly those that investigate land cover/use, settlement systems, ecology, and even health. The term GIS (geographic information systems) is synonymous with map-making, specifically digital map-making. In this course, titled "GIS / Digital Mapping and Analytics", students delved into multiple aspects of GIS: from digital geographic data management and analytics to cartographic representations and communications. Throughout the semester, we covered the following topics: critical GIS components, digital data types, spatial overlay analysis, remote sensing, mapping with R, and cartographic communication.



Students:
Anastacio, Adrianna
Derksen, Marty
Dos Santos, Vanessa
Emeka-Maduka, Akum
Ghorbani, Maryam
Glowacki, Matthew
Gonzales, Carlo
Ilagan, Gel
Joaquin, Michael
Klassen, Sawyer

Left. Heat map of Winnipeg and neighboring towns showing the density of popular filming locations. By Akum Emeka-Maduka

Right. Map of the Normalized Difference Vegetation Index (NDVI) ratings for buffers (1, 5, 10km) around non-standardized Solid Waste Disposal Sites in combination with Manitoba provincial parks as comparative values. By Matthew Glowacki



Exhibitory Contexts



The seminar situates the Architecture 2 Gallery as a laboratory to collect, assemble and broadcast ideas on timely issues in design and planning. Students take on the multipronged role of researcher, editor, designer, curator, coordinator, and storyteller, using the gallery space as a site for critical thinking and experimental practice. The seminar involved inputs from external guests specialising in exhibitions and publications from Basel, Berlin, Montreal and Winnipeg, and the group visits and studies museum-like environments across Manitoba. Developing fully-fledged exhibition proposals, students use a spatial sensibility to research contemporary topics of interest, extract possible narratives for the public to engage with, and prototype methods of display.

Image. Students at the Armand Lemiez Sculpture Garden in Steep Rock, Manitoba.

Students:
Tori Barua
Aditi Biswas
Mitchell Constable,
Rebekah Enns
Sara Hosseini Abardeh
Deveney Jarrow,
Yingzhi Jiang
Danae McKennitt,
Hanna Reimer
Katrina Wisneski

EVDS 3710

Ainsley Johnston

Building Virtual Worlds: Users, Techniques and Tools



Students:
Adabinejad, Melika
Blewett, Devon
Dudek, Skylar
Eltourk, Dima
Fenn, Danielle
Hryhoruk, Connor
Passler Bates, Danika
Shoaie, Nima

Top. Danielle Fenn - 8-bit Cafe

Bottom.
Nima Shoaie - Scale analysis of virtual space.



ARCG 6102 (COMP 7570)

Jason Shields
+ Dr. Celine Latulipe



Connectivity

C.A.S.T

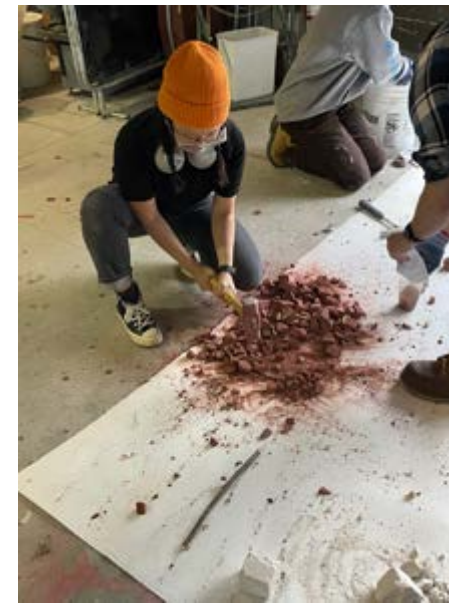
Centre for Architectural + Structural Technology

Liane Veness

Top. Students working with recycled concrete material during Rodney LaTourelle's workshop

Bottom. Finished pieces from LaTourelle's workshop.

Image. Orthomosaic image of C.A.S.T. facility.



Top. Students working with recycled concrete material during Rodney LaTourelle's workshop

Bottom. Finished pieces from LaTourelle's workshop.

The C.A.S.T. Facility had a productive year, playing host to a wide range of activities from students and instructors from across our faculty.

Throughout the year, the facility hosted workshops, PhD and thesis students, visiting researchers, and courses. Thanks to the SIEF fund's generous support and our ongoing sponsorship partnership with the Manitoba Masonry Institute, we were able to host a number of fantastic events for our faculty and the community at large.

As the first researcher supported by the Manitoba Masonry Institute under the recently formed C.A.S.T. Industry-supported Research Program, Rodney LaTourelle served as the 2023 C.A.S.T. researcher in residence. His residence proved to be a huge success. In his two months at C.A.S.T., Rodney gave a public lecture, a full-day workshop in which fourteen students took part, and taught a successful topics course (with MMI) in collaboration with Price Faculty of Engineering. An exhibition of the student work from the course was presented in the Pool Room Gallery with an open house/reception in C.A.S.T.

Our resident C.A.S.T. researcher for 2024 was Owen Pearce. Pearce worked with Joe Kaltornyk on the RAW Almond design/build construction during his two-month visit. He also gave a public lecture and facilitated a full-day workshop with sixteen students. He is still conducting research in conjunction with UM BIOM Lab.

Once again, C.A.S.T. had provided a number of exciting initiatives in 2023-2024. We are pleased to welcome Markus Hudert, a professor and researcher from Aarhus University in Denmark, as our 2024 visiting researcher. During his time at C.A.S.T., Hudert conducted research on the viability of converting waste wood into hyper-shaped construction

components. Additionally, Hudert examined the design space of modular construction systems that utilize these elements and explore their potential applications in various contexts and locations, including Winnipeg. Hudert also conducted a workshop and a public lecture.

Additionally, Francesco Zurzolo, an engineering graduate and owner of Elm Natural Builders, hosted a workshop on hempcrete and other low-embodied energy materials in collaboration with C.A.S.T. and Jason Hare/FABLab. The program's main goals were to understand mix design, application, and technique. If this workshop proves beneficial, we will develop further workshops that focus on in-depth analyses of the materials.

Furthermore, C.A.S.T. in partnership with MMI held a Building Arts Symposium honoring and critically analyzing both traditional masonic art and state-of-the-art research in masonry construction techniques and technologies. The conference included short talks by industry officials, students, architects, and invited scholars from around the world in addition to practical bricklaying demonstrations given by invited master masons.

Through our continued sponsorship program with industry professionals as well as our C.A.S.T. research in residence program there are funds available to support teaching and research activities related to the exploration and experimentation with building techniques and construction methods, sustainable practices, and Indigenous modes of making.

As always, if you would like to join our industrial sponsorship program or if you have a research project that you believe will benefit from working in and/or collaborating with C.A.S.T. Please reach out to our C.A.S.T. coordinator, Liane Veness.

Over the past year, CADLab has made some major equipment purchases to better support the student experience.

One of the most significant changes to CADLab over the past year is the addition of a new large-format artwork scanner. This state-of-the-art scanner (called the Contex Apeiron 42) is designed for high-quality, large-format artwork scanning, making it an invaluable tool for our students. With its 42-inch by 60-inch scanning bed, the Apeiron scanner eliminates the need to stitch smaller scans together, providing seamless and accurate results. Additionally, it is safe for delicate materials, as there are no rollers or moving parts that touch the item being scanned. This allows even the most fragile documents and artworks can be digitized without risk of damage, which is a significant upgrade over our previous sheet-fed scanner. At the time it was purchased, it was the only unit of its kind installed in Canada. This scanner is located in room 121A of Architecture 2 and is accessible by swipe card during normal building hours. It was funded by the Student Innovation and Enrichment Fund (SIEF).

CADLab has purchased an additional large-format printer, the Océ ColorWave 3600. This new addition compliments our existing ColorWave printer, improving our printing capacity and providing a measure of redundancy in case one printer is offline for service. This increased



Top. New Large Format Artwork Scanner.

Middle. Installation of the Océ ColorWave 3600 Printer.

Bottom. New Digital Cameras for Students.

capacity has improved the turnaround time for print jobs, especially during year-end deadlines when demand is at its peak. Funded by the CADLab Print Shop, this printer provides several low-cost options for printing, making high-quality prints more accessible to our faculty.

CADLab now offers an array of 20 high-end, mirrorless, digital cameras. These Canon RP cameras feature full-frame 26MP sensors, excellent low-light performance, and the ability to shoot 4K video. Purchased by the Student Innovation and Experience Fund, these cameras can be signed out by students free of charge for up to 7 days from the CADLab printing office. A variety of accessories are also available, including macro lenses, wide-angle lenses, and tripods, providing students with the tools they need for diverse photography and videography projects. With this addition, we now have a total of 34 digital cameras available for students to use.



Product Catalogue Collection

In 2023 – 2034, the Product Catalogue Collection continued to provide a sample service to undergraduate and graduate students in the Faculty of Architecture. Samples available in the PCC include thousands of products used in the built environment, including products for interiors, exteriors and landscaping. These products were loaned out to students for their use in demonstrating their design concepts and to Faculty in support of educational demonstrations.

Workshops and informational sessions on various interior and exterior products were organized and hosted by the PCC. Tours of the PCC to various interest groups were provided on request.

The Resource Coordinator of the PCC also assisted in conducting research on products used in the built environment. New and innovative products are constantly being developed that focus on using materials in creative sustainable adaptations. New materials and their manufacturers were sourced to assist students and faculty members in the Faculty of Architecture in reducing the environmental impact of their designs and practices. Wallcoverings, acoustic solutions, natural surfaces and 100% recycled plastics are examples of new products that have been introduced. These products were added to the reference collection of environmentally friendly products in the PCC; this collection includes products that are

environmentally sustainable, have recycled content, and/or cradle-to-grave manufacturing.

Other services that were provided by the PCC Resource Coordinator were to order specific products and to provide contact information to company representatives on request by students and Faculty. Natural erosion control products and roofing shingles manufactured from recycled tires are examples of products that were locally sourced and samples of which were added to the PCC collection.

The PCC continued to be a valuable resource for undergraduate and graduate students, providing them with samples to not only inform their design choices, but also to take their projects from concept to reality.



Student Associations

Indigenous Design
+ Planning Students
Association (IDPSA)

Maisie Berens, Co-President
Kailee Meakin, Co-President

Interior Design
Association of
Students (IDAS)

Farzan Farnaghi, President
Lara Machum, Vice-President
Tessa Horn, Vice-President

Landscape
Architecture Student
Association (LASA)

Kailee Meakin, President
Michael Fitzpatrick, Vice President

Student Architectural
Society (SAS)

Alexandra Waxman, Senior Stick

University of Manitoba
Association of
Architecture Students
(UMAAS)

Kendra Wile, Co-President
Danton Derksen, Co-President

University of Manitoba
Association of Planning
Students (UMAPS)

Sabrina Kratsberg, President, Internal
Madeline Schon, President, External



Events
+ Outreach



05/30



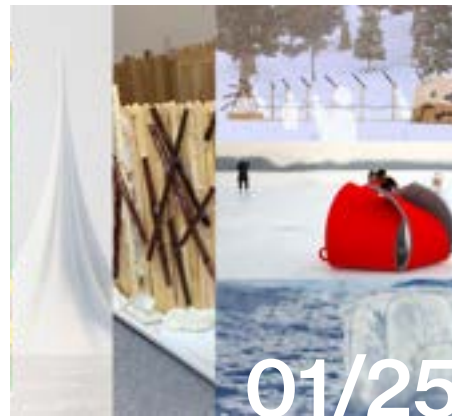
09/25



09/26



01/18



01/25



02/1+2



10/12



10/24



11/10



02/06



02/13



02/14



11/20



11/30



12/04



02/15



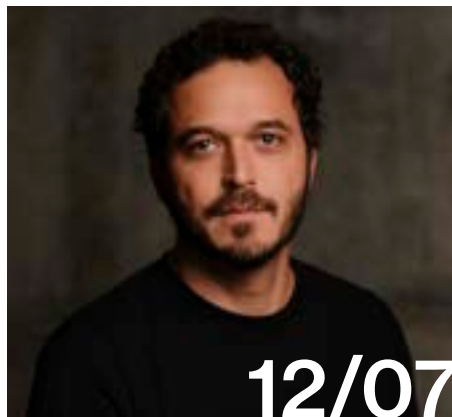
02/29



03/07



12/05



12/07



01/16



03/22



03/28



05/30 Treemorial: In Memory of Professor Alexander Rattray.
10/12 Douglas De Gannes. *Universal Access and Heritage Preservation*.
11/20 Ashton Stare (3XN). *Architecture Transforms*.
12/05 Colour: A Panel Discussion.

09/25 Co-op Information Session.
10/24 Agency of Art + Architecture in Public Spaces: A Panel Discussion
11/30 Venice Travel Studio Information Session
12/07 Ricardo Tranjan: *The Tenant Class and Housing Crisis That Isn't*.

09/26 Michael Young. *Enstrangement*.
11/10 Geopolymer Cement Workshop with Rodney LaTourelle (C.A.S.T.).
12/04 Rodney LaTourelle. *Lateral Moves*.
01/16 Janet Shaw-Russell. *Home/Body/ Metaphor*.

01/18 Stantec. *Jordan's Principle Centres*.
02/06 5468796 Architecture. *platform*.
MIDDLE: *Housing for the 99%*.
02/15 Owen Pearce and Joe Kalturnyk. *Recipe not Included / Building the Drawing*.
03/22 siwilaaks | Learning: Indigenous Pathways to Climate Change Symposium.

01/25 Warming Huts v.2024..
02/13 Rosetta S. Elkin. *The Entangled Politics fo Afforestation*.
02/29 Thorbjorn Andersson. *Let's Talk About Sustainability!*
03/28 Chief Gordon Bluesky and Danielle Desjarlaid. *Naawi-Oodena*.

02/1+2 Atmosphere 16. *Agency*.
02/14 Kent Mundle. *Initiative: A Trajectory Towards the Role of the Architect*.
03/07 TERREMOTO. *How to Build Garden in a World of Broken Systems*.

Ceremonies + Feasts

Hosted by Elder-In-Residence
Valdie Seymour

05/11/23 Spring
Ceremony + Feast

08/31/23 Summer
Ceremony + Feast

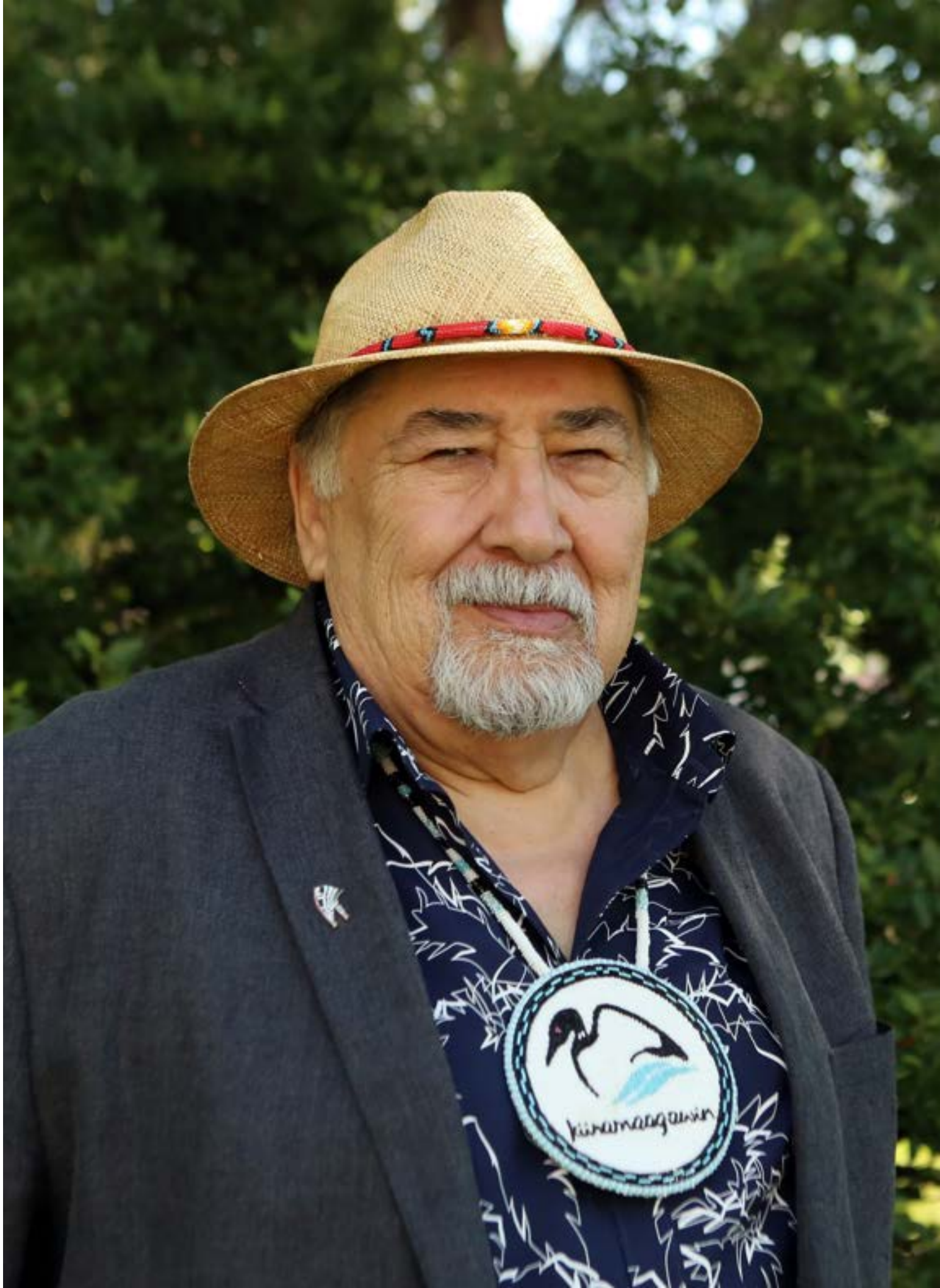
09/28/23 Fall
Ceremony + Feast

01/30/24 Winter
Ceremony + Feast

Valdie has over 40 years of experience in cross-cultural development and implementation of community resource training programs. This experience includes, counselling, therapy, individual and family personal development, as well as human resources networking. Valdie has developed processes to train community citizens to identify their own community issues and facilitate their own community solutions.

Valdie has been instrumental in establishing a pattern in community programs in which community citizens examine their lives, take responsibility for their actions, and actively contribute to community health and relationships. He was part of the initial effort at establishing a community initiated ally supported healing movement in Hollow Water First Nation. Hollow Water's healing movement began to emerge with the commitment of community citizens working with ally institutions. Eventually, Hollow Water's healing movement resulted in the creation, development, and continuation of the Community Holistic Circle Healing (CHCH) organization – an organization that developed Manitoba's Restorative Justice and Sentencing Circle in 1989.

Image: Elder Valdie Seymour pictured outdoors.





Architecture 2 Gallery

A2G Exhibits 23/24

04/05/23 - 04/18/23

How it's Made

D'Arcy Jones Architects

08/21/23 - 09/11/23

Remapping &
Rewriting Public
Space: Decolonizing
Winnipeg's

Landscape Through
Storyed Design

Honoure Black and students

09/21/23 - 10/19/23

Made In House

Workshop (Kellen + Kim)

10/23/23 - 11/17/23

If I May Digress:
Richard Boulet
and Collaborators

Wayne Baerwaldt

Image: Wayne
Baerwaldt. If I
May Digress:
Richard Boulet and
Collaborators.

11/20/23 - 01/02/24

LC150+,
A TRAVELLING
EXHIBITION. The
RT+Q Architects'
Private Collection
of Le Corbusier
Models

RT+Q Architects, Singapore

02/05/24 - 02/09/24

Resonance in
49°N, -97°W

Michael Lucenkiw

02/14/24 - 03/11/24

Housing Manuals:
Frameworks
of Living

5468796 Architecture,
Kent Mundle (DDU)

03/18/24 - 04/12/24

Sincere Fun:
Brown Bags

CARTHA Magazine with Edward
Wang and Remus Radu Macovei



Awards

23/24 Award Recipients

Faculty Wide

Allan Waisman Indigenous Architecture Scholarship
Dani Fenn

ARCC / King Student Medal
Aaron Bomback

Barbara Humphreys Memorial Graduate Scholarship in Architecture
Daniel Guenther

Canadian Masonry Research Institute Scholarship
Nicholas Epp

Corrigill Scholarship
Alia Henderson (ED)
Lauren Kabernick (ED)
Faith Peters (ED)
Jane Santa Ana (ED)
Yi Wang (AR)
Madeline Schon (CP)
Serena Tonnu (ID)
Matthew Glowacki (LA)

Faculty of Architecture Endowed Scholarship
Kirsten Yeryk (ED)
Yi Wang (AR)
Madeline Schon (CP)
Irena Tonnu (ID)
Kailee Meakin (LA)

Fridrik Kristjansson Scholarship in Architecture
Wajiha Khan

Maxwell Starkman Scholarship in Architecture
Aliyah Baerg
Gillian Kolody

Price Industries Limited Faculty of Architecture Recruitment Award
Arman Yaghoubi (AR)
John Baanbil (CP)
Seyedeh Sara Hosseini Abardeh (ID)
Essence Morgan (ID)
Vanessa Dos Santos Martins Macedo Alfonso (LA)
Brady Ricketts (LA)
Martin Derksen (LA)
Michael Fitzpatrick (LA)
Adrianna Anastacio (LA)
Kimia Taghavi (LA)

University of Manitoba Graduate Fellowship (UMGF)
Saba Ammari (AR)
Mohammad Amin Zargar (AR)
Lorela Bregu (AR)
Jayda Brown (AR)
Amirmohammad Firoozi (AR)
Tara Fuller (AR)
MacKenzie Loewen (AR)
Thy Nguyen (AR)
Nima Shoaie (AR)
Syeda Iffat Zahan (AR)
Ian Dyck (CP)
Neha Prakash (CP)
Jaclyn Gavas (CP)
Tessa Horn (ID)
Gillian Kolody (CP)
Valentina Jaramillo (ID)
Anastasia Kory (ID)
Oladunsi Oladejo (ID)
Deborah Oluwade (ID)
Mary Ghorbanivalikchali (LA)
Marie Seno (LA)

Social Sciences and Humanities Research Council (SSHRC)
Aliyah Baerg (AR)
Max Neustaedter (CP)
Lauren Sheedy (CP)
Augusta Ho (ID)
Emma Dicks (LA)

Environmental Design

Boe D. Wong Scholarship
Izabela Rachwal

Building Energy Management Manitoba (BEMM) Scholarship in Architecture and Engineering
Eva Hagel MacPherson

Charles H. Thomsen Scholarship in Landscape Architecture
Lisbeth Hildebrand

Dan Muir Memorial Award
Shahd Haresha

Dr. A.W. Hogg Undergraduate Scholarships
Pratheeksha Sanjaya

Faculty of Architecture Design Award
Jenna Bosc

Isbister Scholarship in Environmental Design
Nathaniel Strohschein

James Palmer Lewis Student Award
Shahd Haresha
Faith Peters

James Palmer Lewis Student Scholarship
Eva Hagel MacPherson

Kasian Scholarship for Architecture + Design Excellence
Shahd Haresha

Michael Cox Scholarship
Jill Smuttell

Price Industries Limited Undergraduate Award
Celine Huynh
Duncan Maconachie
Kamryn Sigvaldason
Jill Smuttell

Students' Architectural Society Award
Bianca Abellanos
Justin Huang

R.A.C. Memorial Scholarship
Mary McCarvill

Terry Cristall Scholarship in Environmental Design
Kamryn Sigvaldason

University of Manitoba Gold Medal
Izabela Rachwal

William and Olive Humphrys Scholarship for Architecture
William Anderson

Architecture

Alpha Rho Chi Medal
Janine Kropla

American Institute of Architects Medal
Hyeonji Kwon

Arthur Buckwell Memorial Scholarship
Natalie Cole Bajet

Bill Allen Scholarship in Architecture (Research)
Sabba Rezai

Bill Allen Scholarship in Architecture (Travel)
Aliyah Baerg

Cibinel Design Achievement Award
Danton Derksen

Harry Seidler and John Russell Recruitment Award in Architecture
Anika Thorsten
Sabba Rezai

Leonard C. Klingbell Scholarship in Architecture
Hyeonji Kwon

Manitoba Association of Architects Medal
Christian Yepez Rodriguez

Manitoba Association of Architects Architecture Recruitment Award
Daniel Guenther
Mel P. Michener Architectural Fellowship
Yasamin Kazemi

Norman Ripley Memorial Scholarship
Yi Wang

NUMBER TEN Scholarship in Architecture
Devin Dushanek

R.A.I.C. Student Medal
Dongkun Zhang

Randy Gilbert Memorial Scholarship for Excellence in Architectural Design
Brooke de Rocquigny

Stantec Graduate Fellowship in Architecture
Janine Kropla

William E. Sheets Scholarship in Architecture
Nikki Ng

City Planning

Canadian Institute of Planners Student Prize for Academic Excellence
Madeline Schon

City Planning Jubilee Scholarship
Rudolph Nsoh

Dean David Witty Urban Design Scholarship
Jennifer Phei-Chuin Yong
Madeline Schon

Mayor's Medal
Ka Wai Yip

Thomas B. Yauk - MPPI Scholarship
Julian Loutsik

Interior Design

Jean M. Pearen Scholarship
Deveney Jarrow

Joan Harland Scholarship for Graduate Studies in Interior Design
Farzan Farnaghi

Judy Micay Linhart and Samuel Linhart Scholarship in Interior Design
Danae McKennitt

Professional Interior Designers Institute of Manitoba Medal
Antoinette Baquiran

Professional Interior Designers Institute of Manitoba Thesis/ Practicum Prize
Antoinette Baquiran

Roy C. Rettinger Graduate Scholarship
Danielle Fenn
Denae McKennitt
Deveney Jarrow
Sin Yee Cheng
Noa Goldberg
Mohammad Rafae
Seyedeh Sara Hosseini Abardeh
Essence Morgan

Steelcase Prize for Design Excellence
Serena Tonnu

Landscape Architecture

ARCC/King Student Medal
Aaron Bomback

Alexander E. Rattray Scholarship in Landscape Architecture
Kimia Taghavi
Shubham Deepak Mahadik
Ruichen Zhu

Carl R. Nelson Travelling Fellowship in Landscape Architecture
Emma Dicks

Department of Landscape Architecture Graduate Fellowship
Alexandra Boss

HTFC Planning and Design Canadian Indigenous Design and Planning Fellowship
Kailee Meakin

Landscape Architecture Entrance Scholarship
Adrianna Anastacio

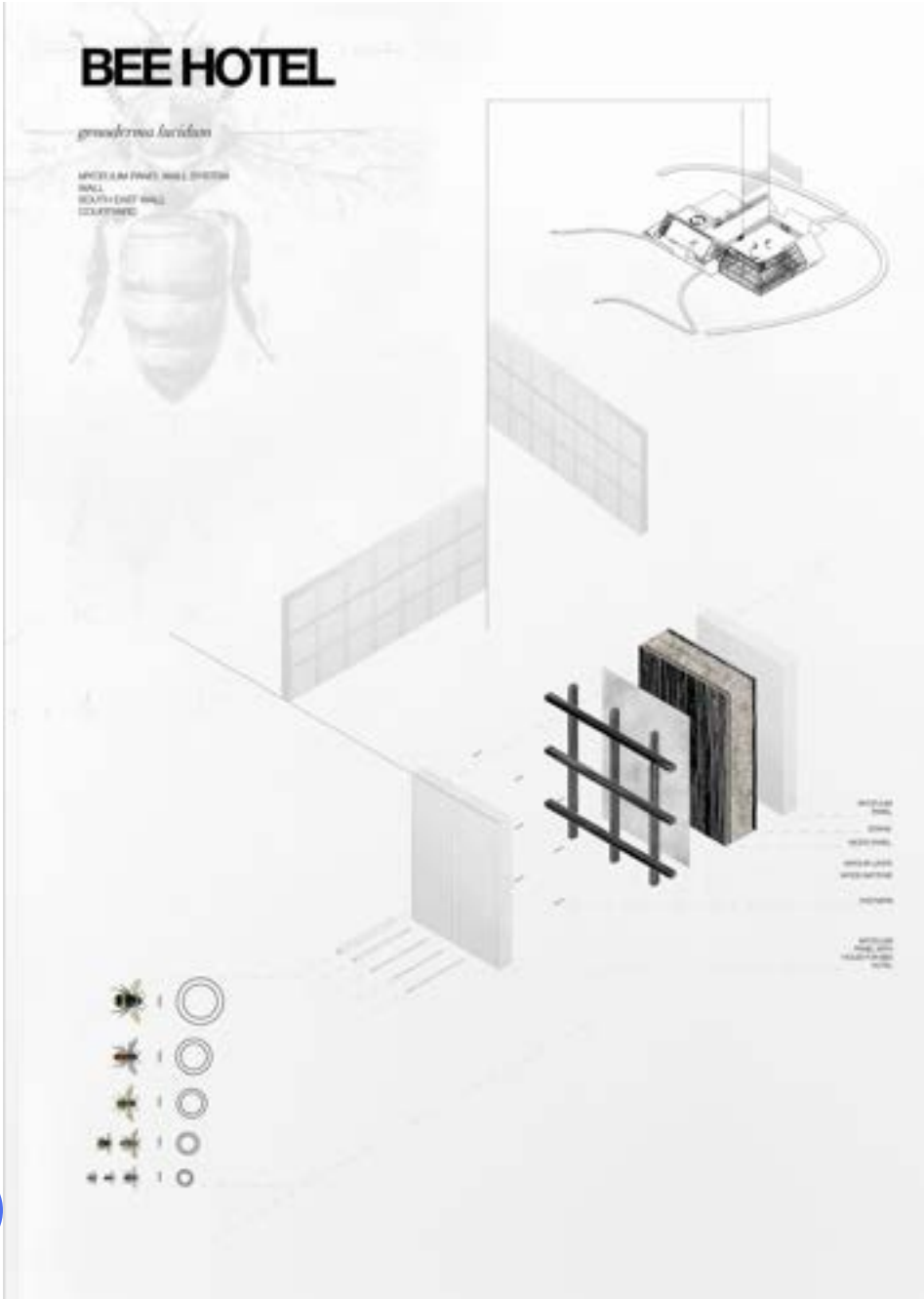
Landscape Architecture Thesis Prize
Jamie Coverini

Manitoba Association of Landscape Architects Fellowship in Landscape Architecture
Emma Dicks
Simranpreet Kaur

Manitoba Association of Landscape Architects Medal
Benjamin Gaudes

Gold Medal Recipient

Izabela Rachwal



Instructor:
Lancelot Coar

Project:
Becoming Animal



Page 104, left. Each hole in the mycelium block varies in size to attract a variety of solitary bees, including bumblebees, carpenter bees, leafcutter bees, mason bees, and sweat bees. The blocks are designed for easy replacement using a panel system.

Page 104, right. Cultivated sawdust block.

The project emphasizes food sovereignty in the context of climate change, guided by Anishinaabe teachings that stress respect for all life and sustainable practices. It promotes a harmonious relationship between humans and the environment by emphasizing traditional knowledge like seasonal living, sustainable harvesting, and community sharing. At its core is a greenhouse project aimed at reviving traditional plants crucial to both human and wildlife communities. This greenhouse also functions as an educational hub, teaching sustainable food practices and the importance of biodiversity in ecological health. The project uses sustainable building materials, including timber, clay, river stone, mycelium grown on waste substrates, and cattails reed for a thatched roof. These materials, particularly cattail thatch and mycelium exterior walls, contribute to creating habitats that support wildlife. Notably, the mycelium also plays a crucial role in supporting bee health, further emphasizing the interconnectedness of all life within the ecosystem.

Where The Bees Give Life

*Aamoo-wadiswanging
mino-bimaadiziwin
dibendaagoziwag*



Right page, top. Perspective rendering of the greenhouse in winter season.

Right page, middle. Perspective rendering of the view from the South East forest.

Right page, bottom. Perspective rendering of the view from rabbit perspective (3 sisters).



Endowment Fund Recipients

The Faculty of Architecture Endowment Fund uses the interest revenue generated from the Fund to be allocated to projects providing academic enrichment, or advancing the academic and research goals of the Faculty of Architecture as represented by: Architecture, City Planning, Environmental Design, Interior Design, and Landscape Architecture. Applications are invited from constituencies related to the Faculty, normally to include staff, students, alumni and “friends of the Faculty”.

In the past grants have gone to support conferences, speakers, and other special events, the acquisition of library material and special equipment, as well as to encourage research and creative work.

Faculty Endowment Funds were established at the University to allow donors to contribute to the pursuit of excellence in areas of greatest interest to them. Each Fund is administered by a committee consisting of students, academics, support staff, alumni and other “friends of the faculty”. The Committee meets each year to determine the most effective way of spending the interest from gifts received.

Architecture + Design Film Festival
\$1,500
Susan Algie

MAA Meet and Greet
\$1,000
UMAAS

LASA & MALA Student Events
\$1,000
LASA/MALA

IDAS Meet and Greet
\$1,000
IDAS

FAUM + CanU
\$1,100
Carmen Huang

WAF Building Access Archival Collections
\$4,000
WAF

PIDIM Oral History, Phase 3
\$8,000
PIDIM

Warehouse Journal 33
\$30,000
Amy McFadden, Andie Margolis & Paige Michalyshen

Year End Exhibition
\$8,000
Brandy O'Reilly

Wilkinson, Campus Landscape, Methods + Keeping Track
\$4,150
Marcy Eaton

City Planning Triva Night & Networking Event
\$1,000
UMAPS

A2Gallery Program Fund
\$10,800
Ainsley Johnston

Building Equality in Architecture Prairies: Doors Open
\$4,000
Rasna Madhur

Cultural Events/Food for Thought
\$20,000
Jae Sung Chon

Atmosphere 17
\$20,000
Jae Sung Chon

Winnipeg Design Festival 2024
\$20,000
Jaya Beange

International Student Events
\$700
Omar AbdelSalam

