Faculty Senate

September 14, 2022

ALL IN-PERSON ATTENDEES PLEASE SIGN-IN ON ONE OF THE SHEETS

ALL ZOOM ATTENDEES PLEASE SIGN-IN VIA THE CHAT

SENATORS: Name and Department

FACULTY GUESTS: Name and Department

NON-FACULTY GUESTS: Name and Affiliation

PRESS: Name and Affiliation

Gayogo̲hó:nǫ' Land Acknowledgement

Cornell University is located on the traditional homelands of the Gayogo̲hó:nǫ' (the Cayuga Nation). The Gayogo̲hó:nǫ' are members of the Haudenosaunee Confederacy, an alliance of six sovereign Nations with a historic and contemporary presence on this land. The Confederacy precedes the establishment of Cornell University, New York state, and the United States of America. We acknowledge the painful history of Gayogo̲hó:nǫ' dispossession and honor the ongoing connection of Gayogo̲hó:nǫ' people, past and present, to these lands and waters.

This land acknowledgment has been reviewed and approved by the traditional Gayogo̲hó:nǫ' leadership.

HYBRID FORMAT	In-person and remote attendance
ZOOM CAPTIONING	Choose "Live Transcription" in the Zoom menu
TO SPEAK	2 minutes to pose a question or make a statement
	Identify yourself: First name, Last name and Department
	Zoom first (Muted until called)
	Floor next (to allow Senators to come up to the microphone)
	Back to Zoom
	Back to Floor
CHAT	Want to attend to statements on the floor; set to everyone
	Do not want to disadvantage in-person attendees; 2 minutes
	Please limit chat to sharing resources with each other
	Will be published 'as is' publicly on DoF website after meeting
RECORDING	Started at 3:30PM
	Audio and chat will be posted on agenda webpage after meeting

Approval of Zoom Transcription Minutes

May 18, 2022

Unanimous consent requested
Raise hand (in-person or remote) for corrections only

Sense of the Senate Resolution

The University Faculty Committee may decide that the discussion and debate on a particular topic at a given Senate meeting warrants an informal, "sense-of-the-senate (SoS)" motion.

Such votes do not require quorum; they are simply a way for the Senate to communicate its sentiment.

First Sense of the Senate Resolution
No Academic Work During Scheduled Breaks that passed March 9, 2011 sponsored by Education Policy Committee

Current Pending Sense of the Senate Resolution

This sense of the Senate resolution expresses our appreciation for the generous community efforts at Cornell University, especially (1) the frontline services that kept us safe during those first years of the COVID-19 pandemic, including dining, cleaning, health, **safety,** and testing services; (2) those who helped manage the logistics, including modeling infectivity, housing, information technologists, audio-visual technologists, facilities, and university leadership; and (3) the faculty and students who continued to be adaptable and dedicated to an enriched higher education experience. It is acknowledged that we are still learning to manage COVID-19 and that its repercussions will be felt for a long time to come, but we have learned lessons that will guide us through future challenges to our community.

Senate Vote

We will send you a Qualtrics link and you will have two weeks to vote:

Yes – in support of a resolution

No – not in support of a resolution

Abstain

- **Potential reasons for abstention:**
  - Conflict of interest
  - Too conflicted on an issue to vote meaningfully
  - Failed to research the matter sufficiently, and don't feel right about voting on it
  - Simply not focused enough!?

Senate Discussion

Design Technology Department

Dean Meejin Yoon, College of Architecture, Art and Planning
Professor Jenny Sabin, Architecture

Collaborators:

Dean Kavita Bala, College of Information and Computer Science

Dean Rachel Dunifon, College of Human Ecology

Professor Yasser Gowayed, Chair of Human Centered Design

Professor Wendy Ju, Information Science at Cornell Tech

Professor Francois Guimbretiere, Information Science

Professor Timur Dogan, Architecture

Design & Technology

College of Architecture, Art, Planning
College of Human Ecology
Bowers College of Computing and Information Science
College of Engineering
Cornell Tech

Radical Collaboration
Design and Technology

PARTICIPATING DEANS & COLLEGES

J. Meejin Yoon
College of Architecture, Art, Planning

Rachel Dunifon
College of Human Ecology

Kavita Bala
Bowers CIS
College of Computing and Information Science

Lynden A. Archer
College of Engineering

Greg Morrisett
Cornell Tech

FACULTY TASK FORCE

Associate Prof. Jenny Sabin ** (co-chair)
Architecture / Matter Design Computation (AAP)

Associate Prof. Wendy Ju **(co-chair)
Information Science
Jacobs Technion-Cornell Institute at Cornell Tech

Associate Prof. Huiju Park
Professor Keith Green
Human Centered Design (CHE)

Associate Prof. Timur Dogan
Architecture (AAP)

Professor of Practice, Mukti Khaire
SC Johnson and Cornell Tech

Associate Prof. Rob Shepherd
Associate Prof. Guy Hoffman
Mechanical and Aerospace Engineering
(Engineering)

Professor Francois Guimbretiere
Associate Prof. Malte Jung
Information Science (Bowers CIS)

Professor Uli B. Wiesner
Materials Science & Engineering (Engineering)

Professor Itai Cohen
Physics (Arts & Sciences)

The Charge on
Design Education & Design Research

at Cornell in areas related to Design+Technology

Excellence

Create a program of excellence in Design+Technology for Cornell that fosters synergies across multiple colleges.
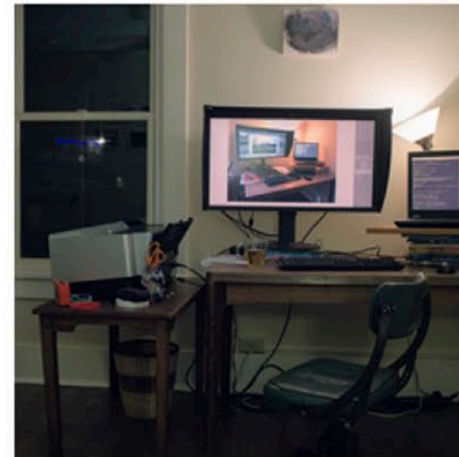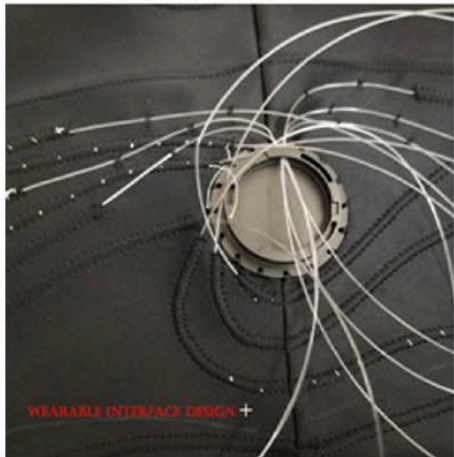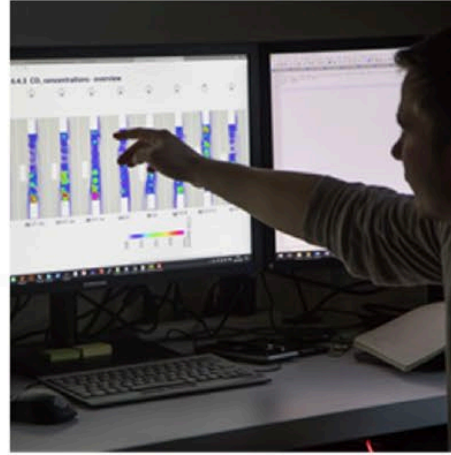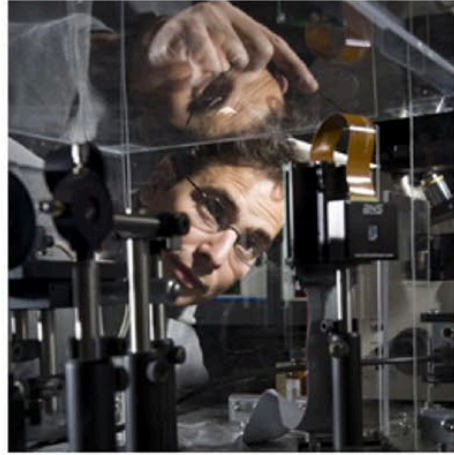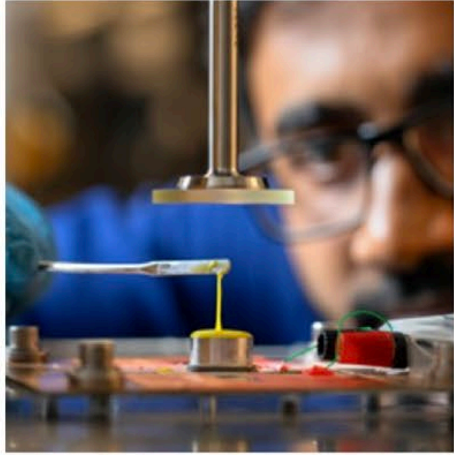
Uniqueness

Create a unique interdisciplinary model for Design Education and Design Research

Opportunity

Identify opportunities for undergraduate and graduate design degrees and courses & develop possible structures and a road map to develop such an entity

Collaboration across Design units at Cornell

Design and Technology Landscape at Cornell

- Game Design Minor, Bowers CIS
- Cornell Design & Tech Initiative, Engineering
- Human Centered Design, CHE
- Coding for Design, Architecture / DESIGN / AAP
- Human-Robot Interaction – Research and Design, Information Science
- Designing with Microcontrollers, Engineering
- Architectural Robotics, HCD
- Design & Making Across Disciplines, Architecture / DESIGN / AAP
- Hands-on design and manufacturing of mechanisms, Engineering
- Robotics Minor, Engineering
- Intro to AI, Bowers CIS
- Visual Imaging of the Electronic Age, Architecture
- History and Theory of Digital Art, STS
- Designing Technology for Social Impact, STS
- Materials Design, Engineering
- Computing in the Arts, PMA
- Sound Design, PMA
- Design Rubric, PMA
- Design & Cinema, PMA
- M.S. in Human Environment Relations, HCD
- Interface Design & Ubiquitous Computing
- Human-Robot Interaction, CIS
- Human-Computer Interaction, CIS
- Designing the City, CRP / AAP
- Digital Media, Art / AAP
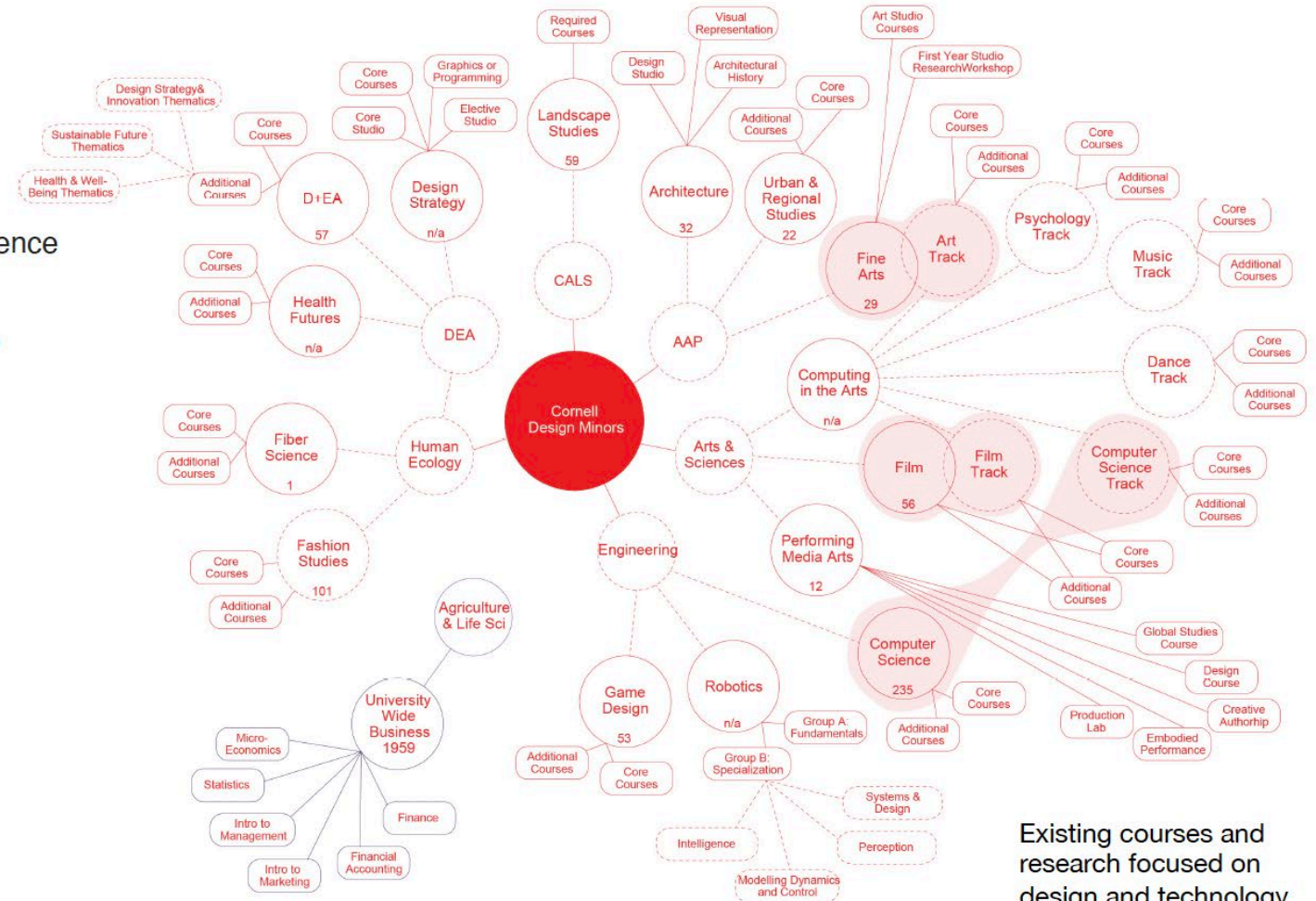
Existing courses and research focused on design and technology topics at Cornell.

M.S. Design Technology

- The primary degree program will be a Master of Science in Design Technology. The new Design Tech department will partner with Cornell Tech to deliver the M.S. in Design Technology that will straddle Ithaca and NYC. .

- The Department will be the academic unit responsible for administration of the M.S. in Design Technology in collaboration with Cornell Tech

DESIGN TECH

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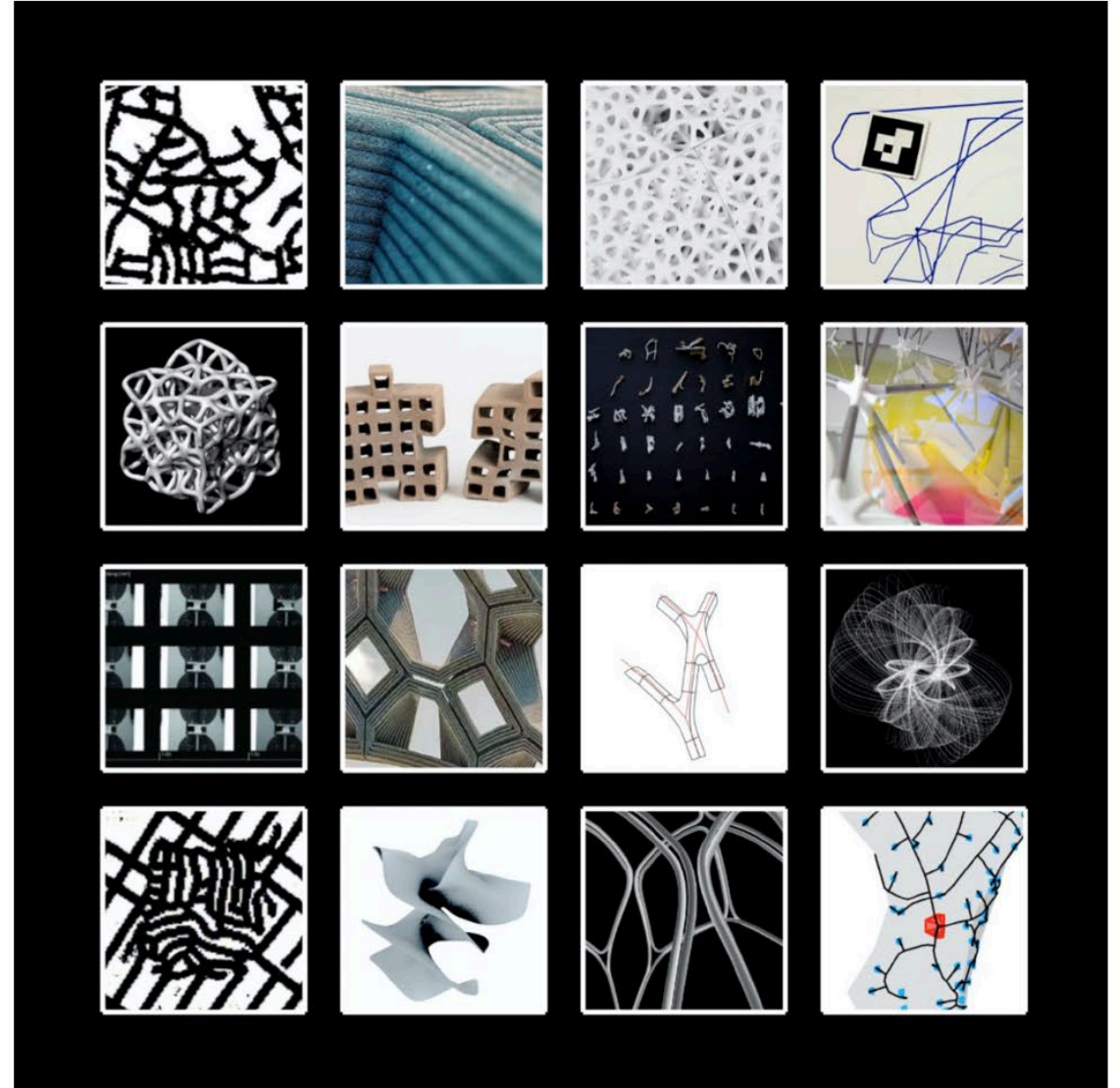
Pilot program w/ Cornell Tech
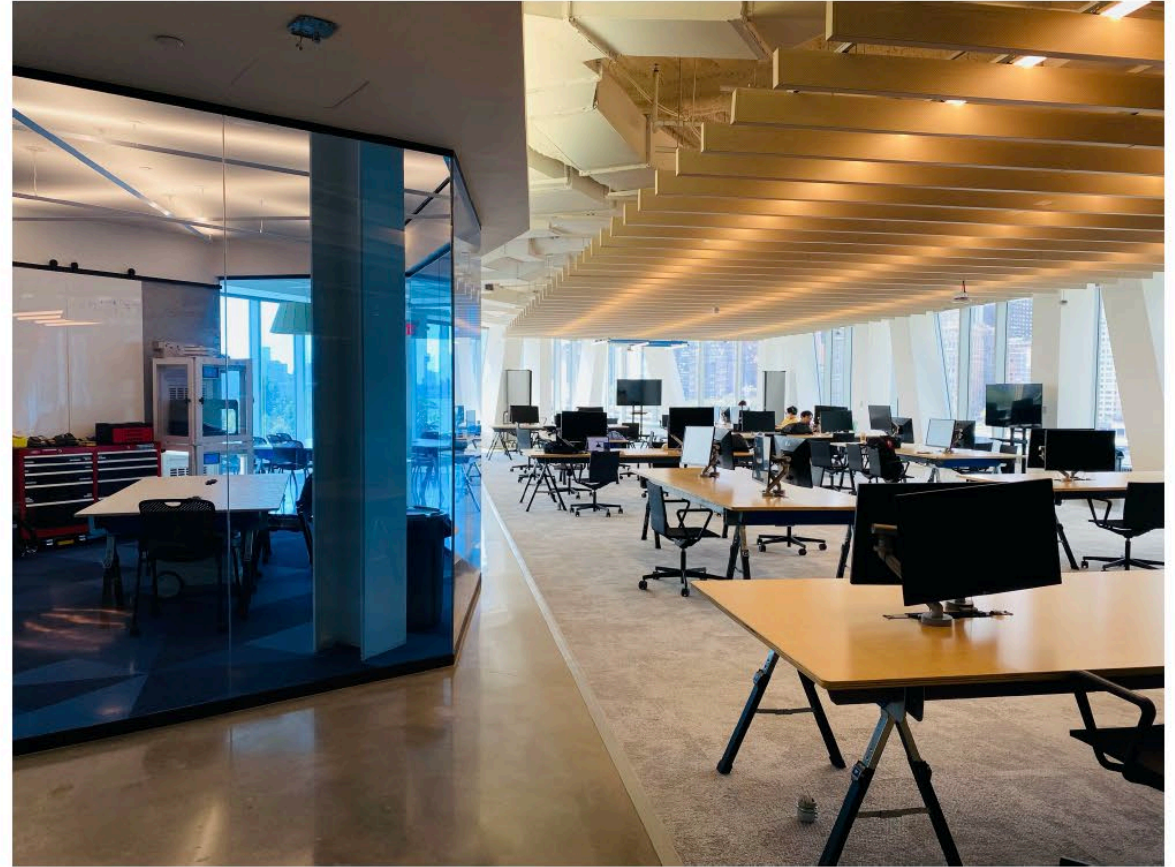
Integrating Teaching in Design+Technology across campus

DESIGN 6297 | ARCH 4509/6509   *Fall* 2021

Coding for Design

Online · Friday 9:00 am -11:00am
Instructor: *Panagiotis Michalatos*
CORNELL AAP DEPARTMENT OF ARCHITECTURE

The course introduces students to fundamental concepts and techniques for the integration of coding within design workflows. The emphasis of the course is on the practical applications and design potential within such techniques while helping students understand the theoretical background and conceptual implications behind them. From a technical point, students will be introduced to computational geometry and computer graphics and will handle both discrete and continuous forms. The aim is to develop the foundational skills and knowledge in order to be able to represent, analyze, synthesize and act upon spatial structures at various scales and levels of abstraction. The course is structured as a series of lecture/workshops accompanied by practical tutorials that will help students develop their coding skills.

TECH 5900   *Fall* 2021

Multidisciplinary
Students build their skills on teams with representation from all seven master's programs (as well as AAP students)

Real challenges
Teams practice customer-driven development processes by creating prototypes of digitally-enabled solutions to real-world challenges

Practitioner driven
Students engage directly with practitioners to learn first-hand about industry practices and receive direct feedback about their work

Product Studio

In Person: Tuesday and Thursday from 2:45pm 7:10pm, Cornell Tech Campus
Instructors: *Karan Girotra and Josh Hartmann @Cornell Tech*
Advisor: *Jenny E. Sabin @AAP, jes557@cornell.edu ; Director of Studio: Leandro Elberger, leandro.elberger@cornell.edu*
CORNELL AAP DEPARTMENT OF ARCHITECTURE & CORNELL TECH

Product Studio is a mandatory course for all master's students at Cornell Tech and is part of an exciting new pilot program between AAP and Cornell Tech. During the semester, you will work within a collaborative team with students from AAP and Tech to develop a new tech product or service in response to a challenge posed by a real company, institution, or non-profit. The teams are composed of students from AAP and across the Cornell Tech campus — engineers and computer scientists, architecture, planning, law, business and information systems students — to maximize cross-disciplinary peer learning. A Company Advisor from the company provides support to the student team. You'll experience first-hand how the product development process works in the real world and begin to build a network within the New York tech community. Previous challenges have come from organizations as diverse as Bloomberg, the NYC Mayor's Office, Adobe, Arup, MITRE, New York Times, Google, Microsoft and IBM Watson. Every fall, leading startups, companies, and organizations in NYC pose business challenges to Cornell Tech. You and your classmates will develop and present new products, services and strategies that respond to those challenges. The world is being transformed by builders— individuals who combine engineering, business, design and interpersonal skills to build new products, services and businesses. Product Studio will provide you with the key skillsets to be a world-class builder. The best way to learn to be a builder is by building new products, services and businesses. Therefore, product studio will be organized around the central activity of building a new product, service or business model that addresses a need that will be presented to you in terms of a "How Might We" challenge.
This course is limited to upper level B.Arch, M.S. AAD, and M.S. MDC students. Once enrolled, you may not drop this course. Please note that approximately 10 hours of remote pre-work group research will be required during the month of August in preparation for the semester. Product Studio is followed by Startup and BigCo Studio in the Spring semester. We encourage AAP students to strongly consider the year-long studio sequence as you will get the most out of the collaborative experience and curriculum.

DESIGN 6151 | ARCH 4605/6605   *Fall* 2021

Design & Making across Disciplines

Hybrid: Thursdays 9:05-11:00am, Cornell Tech Campus
Instructor: *Jenny E. Sabin (Architecture) / jsabin@cornell.edu*
Participating Instructors: *Jonathan Butcher (Biomedical Engineering), Nate Cira (Biomedical Engineering), Wendy Ju (Information Science), Marty Murtagh (Materials Science & Engineering), Uli Wiesner (Materials Science & Engineering)*
CORNELL AAP DEPARTMENT OF ARCHITECTURE & CORNELL TECH

Although there have been tremendous innovations in design, material sciences, bio- and information technologies, direct interactions and collaborations between scientists, architects, and engineers are rare. One approach is to couple architectural designers with engineers and scientists within a research-based laboratory-studio to develop new ways of thinking, seeing, and working in each of our fields. This combined studio+seminar is an introduction to fundamental concepts and methods in design and emerging technologies across architecture, engineering, and science to prepare students with the necessary tools and knowledge for iterative, hybrid, and synthetic thinking in design & making across disciplines. Course work includes exposure to different theories, research, and practices of design and emerging technologies, making and digital fabrication (3D printing), computational and generative design, interaction design, new materials, sustainability, and bio-inspired design. Emphasis will be upon problem generation over immediate problem solving with specific focus in areas of materials and making, generative design, simulation, computational design, physical modeling, and digital fabrication within a hybrid lab+studio setting. This combined studio and seminar aims to engage and develop hybrid thinking in design through generative processes and digital fabrication of material and form across disciplines. Students from diverse disciplinary backgrounds investigate the intersections of architecture and science and apply insights and theories from biology and mathematics to the design, fabrication, and production of material products, prototypes, and digital tools. Project works will focus on responsive and adaptive interfaces and materials across scales and disciplines with a focus on human interaction, adaptive architecture, energy storage, and information display. The first half of the semester will be co-taught by colleagues in architecture, information science, biomedical engineering, and materials science and engineering.

Design Tech Faculty

Current Faculty

A small number of current Cornell faculty may be invited to have a dual or joint appointment or 0% appointments in the new department. However, their tenure home will remain in their current department

Affiliated Faculty

Faculty across AAP, CHE, ENG, Bowers CIS, A&S, and Cornell Tech, may engage with the Design Tech department through a future graduate field of Design & Technology, while maintaining their existing department homes

Design Tech Fellows

Design Tech Fellows (visiting appointments) will contribute to the teaching, research, and engagement of the department

Design Tech Faculty Radical Collaboration Hires

Newly recruited faculty through The Design Tech Radical Collaboration

- 3-4 in AAP @ 50-100% in Design Tech (likely at 100% Design Tech)
- 1-2 CHE @ 50%-100% in Design Tech (likely 50/50 split)
- 1-2 Bowers CIS @ 50%-100% in Design Tech (likely 50/50 split)
- 1-2 ENG @ 50%-100% in Design Tech dept
- 1-2 TECH @ 50%-100% in Design Tech dept

Inspiring New Collaborations

Harald Haraldsson, Director of the XR Collaboratory and MS MDC graduate Students working in the lab @Cornell Tech
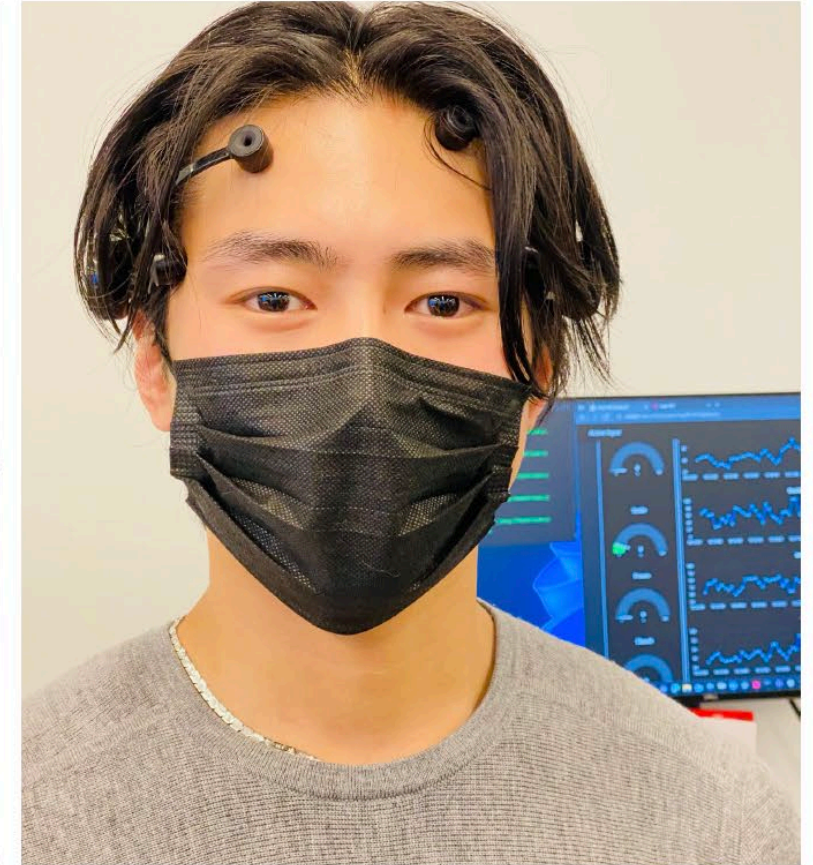
MS MDC student, Willam Qian

Thank you

Senate Discussion

Senate Announcements and Updates

Eve De Rosa
Dean of Faculty, Chair of the University Faculty Committee, Psychology

Chelsea Specht
Associate Dean of Faculty, Chair of the Nominations and Elections Committee, Plant Biology

2022-2023 New Appointed Committee Members

Academic Freedom and Professional Status of the Faculty (AFPSF)

Chair: Tracy Stokol – 2025 – Population Medicine and Diagnostics Sciences – CVM

Angela Odoms-Young – 2025 – Nutritional Sciences – CHE

Virginia Doellgast – 2025 – International and Comparative Labor – ILR

Academic Programs and Policies Committee (CAPP)

Chair: Mark Milstein – 2025 – Johnson - COB

John Schimenti – 2025 – Biomedical Sciences – CVM

Christine Goodale – 2025 – Ecology & Evolutionary Biology – CALS/CAS

Educational Policy Committee (EPC)

Chair: Rebecca Nelson – 2025 – Integrative Plant Science – CALS

J. Robert Lennon – 2025 – Literatures in English – CAS

Nick Salvato – 2025 – Performing & Media Arts – CAS

Kevin Cummings – 2025 – Public & Ecosystem Health – CVM

Faculty Advisory Committee on Athletics and Physical Education (FACAPE)

Tom Fox – 2025 – Molecular Biology and Genetics – CALS

Faculty Advisory Comm. on Tenure Appointments (FACTA)

Ding Xiang Warner – 2024 – Asian Studies – CAS

Sturt Manning – 2024 – Classics – CAS

Carmen Martinez – 2024 – Integrative Plant Science – CALS

Margaret Frey – 2024 – Human Centered Design – CHE

Tapan Parikh – 2024 – Information Science – CIS

Committee on Financial Policies (FPC)

Luis Schang – 2025 – Microbiology and Immunology – CVM

David Ruppert – 2025 – Statistics and Data Science – CIS

Gideon Saar – 2025 – Economics – CAS

Annette Richards – 2025 – Music – CAS

Donald Kenkel – 2025 – Policy Analysis and Management – CHE

Dan Luo – 2025 – Biological and Environmental Engineering – CALS

Muna Ndulo – 2025 – International & Comparative Law – LAW

2022-2023 New Appointed Committee Members

University Lectures

Jenny Goldstein – 2026 – Global Development – CALS

University Faculty Library Board

Ailong Ke – 2026 – Molecular Biology and Genetics – CAS

Chiara Formichi – 2026 – Asian Studies – CAS

Jian Hua – 2026 – Plant Biology Section – CALS

Nilay Yapici – 2026 – Neurobiology and Behavior – CALS

Ruth Collins – 2026 – Molecular Medicine – CVM

Nominations & Elections Committee (appointed seats)

Colin Parrish – 2025 – Microbiology and Immunology – CVM

Julia Markovits – 2025 – Sage School of Philosophy – CAS

A.D. White Professor-at-Large Selection Committee (PAL)

Lorenzo Alvisi – 2025 – Computer Science – CIS

Steve Jackson – 2025 – Information Science – CIS

John Lis – 2025 – Molecular Biology and Genetics – CAS

Lisa Kaltenegger – 2025 – Astronomy – CAS

University Assembly:

Ian Hewson – 2024 – Microbiology – CALS

Beth Milles – 2024 – Performing & Media Arts – CAS

Margaret McEntee – 2024 – Clinical Sciences – CVM

University Assembly: Campus Planning Committee

Huiju Park – 2024 – Human Centered Design – CHE

University Assembly: Campus Welfare Committee

Robert Bertoia – 2024 – Art – AAP

University-ROTC Relationships Committee (URRC)

Chair: Chip Aquadro – 2025 – Molecular Biology & Genetics – CAS

Keith Taylor – 2025 – Asian Studies – CAS

George Hutchinson – 2025 – Literatures in English – CAS

Lee Humphreys – 2025 – Communication – CALS

Nominations and Election Committee Updates:

Charge:
- Nominate candidates for election for Faculty Trustees, Dean of the Faculty, Associate Dean, for members at-large of the Senate, and for elected committees and offices of the Faculty and of the Senate.
- Nominate candidates chairs of appointed Faculty and Senate committees and members of administration and faculty-administration committees.

Values:
- The committee will be mindful of the importance of spanning all parts of the campus, the ethnic and gender diversity of the faculty, and the major scholarly disciplines of Biological Sciences, Creative Arts, Humanities, Physical Sciences, Professional Schools, and Social Sciences.

Updates:
- Nominations and Elections Committee vacancy filled with runner up from the Spring voting ballot – Ben Anderson, College of Arts and Sciences
- Monthly meetings

Resolution votes since last meeting:

183 - Posthumous Academic Awards Policy

Resolution: 5/6/2022

Vote results: 69 Yes, 2 No, 7 Abstain, (52) Did not vote

We were making progress...
Let's work on this again!

182 - Resolution Regarding the Award of Honors and Distinctions to Cornell's Undergraduate Students

Revised version: 5/6/2022

Senate Discussions: 12/8/2021; 4/20/2022

Vote results: 54 Yes, 18 No, 6 Abstain and (52) Did not vote

Increasing the Transparency and Effectiveness of Faculty Senate Proceedings

Revised version: 3/20/2022

Senate Discussions: 4/20/2022; 5/18/2022

Faculty Forum: 5/11/2022

Vote results: 20 Yes, 40 No, 9 Abstain and (52) Did not vote

Update: Resolution 158: *Be it resolved that* the Cornell University Police Department will cease to use racial descriptors in CRIME ALERT emails.

- Professors Admussen and Fuhrmann discussed the issue with Police Chief David Honan
- Resolution passed in April 2021; Starting May 2021 crime alert reporting was adjusted

"Since Resolution 158 was passed by the Senate, CUPD developed a new reporting format that met the legal requirements of the Clery Law, provided our campus with the information it needs be informed of threats so they may keep themselves safe but omit potentially harmful descriptions of race. This change in format also allowed CUPD to streamline the process of issuing crime alerts to improve the timeliness, quality, and community focus of our crime alerts. We did not have a single instance where this change hampered police investigation of crimes. So far this academic year [end of Spring 2022], CUPD has issued 14 Crime Alerts, one inadvertently indicated the race and was used in combination with additional descriptors. In the future, we hope to further streamline the process to provide better safety tips and resources in the alerts to campus."

- Police Chief David Honan

Pending Topics
- Elimination of the Swim Test Requirements
- Academic Integrity – even application across Colleges
- Visibility of the Chair's letter to the Dean in tenure cases
- Cross-College Superdepartments: Guideposts for academic excellence for tenure and cultural integration

Pending Visitors
- David Honan, Associate Vice President for Public Safety - October
- President Pollack, Computing and Information Sciences – November
- Elaine Westbrooks, New Carl A. Kroch University Librarian and the Library Board

Senate Discussion
Potential New Business?

Good of the Order
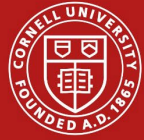
Adjournment

CORNELL UNIVERSITY FACULTY SENATE

#IAMYOURSENATOR