JAPAN

日本
JAPAN
Architecture + Culture

JUNE 2019
2-3 days Chicago / 28 days Japan

ARCH 497 – Reflective Recordings, 3 cr.
Professor Wetzel

ARCH 509 – Topics in Advanced Technology, 3 cr.
Professor Ninoyu
# BASE ITINERARY

**TOKYO** (5 + 8 days)
- National Museum of Western Art
- National Art Center
- Nezu Museum
- Mori Art Museum
- Gallery of Horu-ji Treasures
- Sumida Hokusai Museum
- Design 21-21
- Yoyogi National Stadium
- Shibaura House
- Sunny Hills Cake Shop
- Nagakin Capsule Tower
- Shinonome Canal Court Housing
- Tokyo International Forum
- Sumida Cultural Factory
- Tara Okomoto Memorial Museum
- Gallery Ma and Toto Gallery
- Yokohama International Terminal
- Tama Art University Library
- Musashino Art University + Library
- KIT Workshop
- Hana Miodori Cultural Center

**HIROSHIMA / MIYAJIMA** (4 nights)
- Hiroshima Peace Memorial
- World Peace Memorial Cathedral
- Hiroshima Nishi Fire Station
- Naka Waste Incineration Plant
- City Museum of Contemporary Art
- Orizuru Tower
- Great Torii / Itsukushima Shrine
- Miyajima Observatory

**IMABARI / IMAJISHI** (day trip from Hiroshima)
- Architecture Museum
- Silver Hut

**NAOSHIMA / INUJIMA / TESHIMA** (4 nights)
- Naoshima Ferry Terminal
- Naoshima Art Houses
- Benesse Museum
- Lee Ufan Museum
- Chichu Museum
- Teshima Art Museum
- Seirensho Museum

**TAKAMATSU** (day trip from Naoshima)
- Isamu Noguchi Museum

**HIMEJI** (on route to Osaka)
- Himeji Castle

**OSAKA** (4 nights)
- Church of Light
- Shiba Ryotaro Museum
- Chikatsusukka Museum
- Sayamaikke Museum

**AWAJI** (day trip from Osaka)
- Awaji Yumebatai
- Honpukuji Water Temple

**KYOTO** (4 nights)
- Garden of Fine Arts Museum
- Times I and II
- Art Museum
- Kyoto National Museum addition
- Miho Museum
- Imperial Palace
- Inari Temple

**NARA** (day trip from Kyoto)
- Nara Centennial Hall
- Nara City Museum of Photography
- Horyu-ji Temple
- Todai-ji Temple

**KANAZAWA** (2 nights)
- 21st Century Museum of Contemporary Art
- Kanazawa Umimirai Library
- D. T. Suzuki Museum
- Kenroku-en Gardens

**NAGOYA** (2 nights)
- City Museum of Modern Art
- Meiso-no Mori Funeral Hall
- Gifu-Kiagata Apartments
- Imperial Hotel
- Atsutakotai Shrine
- Toyota Municipal Museum
MILESTONES & DESTINATIONS – MAY 26 TO JUNE 27, 2018
CONSTRUCTION SITE
Metropolitan Plaza Office Tower
Client: Seibu Railway
Architect: Nikken Sekkei
General Contractor: Obayashi Corp.
DESIGN FIRM VISITS
Junya Ishigami & Associates
Kengo Kuma Architects & Associates
Gensler & Associates Int’l Ltd. – Tokyo
Kumiko Inui Architects
Tadao Ando Architects & Associates
Tezuka Architects
Nikken Sekkei
RESEARCH
Obayashi Corporation’s
Technical Research Institute
Net Zero Office & Research Labs
JUNE 2019

1. TOKYO
2. HIROSHIMA
3. NAOSHIMA
4. OSAKA
5. KYOTO
6. KANAZAWA
8. TOKYO
TOKYO
HIROSHIMA 2
3 NAOSHIMA
OSAKA
KYOTO

5
Arch 509 – Topics in Advanced Technology

This research seminar examines advances in the technologies that affect the contemporary practice of Japanese architects and their role in building design and production.

Work includes
• researching an architect and their body of work prior to traveling
• examining a design or construction innovation that contributed to an overall project
• presenting and documenting on location
• preparing a comprehensive research document

1. Naka Power Plant
2. Seirensho Museum
3. Sayamaike Museum
4. Nara Centennial Hall
5. D.T. Suzuki Museum
6. 21st Century Museum
7. Kanagawa Institute of Technology
8. Tama University Library
9. Mode Gakuen Cocoon Tower
Completed 2016, the result of over 2.5 years of studying the villages on the island of Naoshima.

Sambuchi found that town planning recognized N-S alignment due to wind direction.

Community center developed using techniques from traditional Gassho Style Architecture.

Aperture in second roof acts as wind funnel for passive ventilation.

White interior also reflects indirect natural light into main hall.

Local materials used in construction of cypress roof.

Structure is lowered into a hill with the same pitch as the roof and surrounded by water in order to create harmony with the site and provide additional passive temperature control.

Comparing the Naoshima Hall to a traditional Gassho style hut from the Hodo village. Both Structures feature the Irimeya style roof which allows for air ventilation and passive cooling through the top aperture. Sambuchi further mimics the thatched roof through the thin strips of Cypress which have natural color variation.

Site Visit Sketches

Air cooling system in the summer. Warm air enters the Earth Gallery and is cooled by the time it enters the rest of the building.

Air Heating System in the Winter. Cold air enters the Sun Gallery and is warmed by the time it enters the rest of the building.
The Need for a Museum: An Historical Discovery

- Restoration of the Sayamaike Reservoir began in 1993.
- Repairs exposed artifacts which were from the Kamakura Period (12th to 13th Centuries), prompting further excavation.
- As excavation continued, repairs dating back to the year 616 were discovered.
  - This allowed for a deeper understanding of the history of Japanese civil engineering.
- The Prefecture of Osaka elected to preserve the area and to construct a museum in close proximity to the discoveries.

Stepwell Inspiration

- The main entry, which brings the visitor underground via two sets of reflected stairs, into an area which water is freely flowing, seeming as though it is filling up, is reminiscent of the stepwells found in India.
- Furthermore, the presence of these stepwells is typically not made obvious with an above-ground structure, as is similar with the majority of Sayamaike.
- The use of the stepwell is not simply an aesthetic choice, but is a nod to the to the exhibited wall, which is appropriately oriented to face the water feature that visitors walk along to enter the museum.

An Historical Aesthetic

- The entrance into the museum proper emphasizes the evolution in construction and engineering technologies, starting with rough-cut stone which harmonizes with the discoveries of the site, while later transitioning to concrete.
PROGRAM & STRUCTURE
PLACE
ARCH 497-01 REFLECTIVE RECORDINGS

This course explores the ways in which architects record experiences of the built environment associated with travel. Students produce a body of self-directed work that collects observations and interactions relevant to their experience.

Work includes
• keeping a sketchbook
• writing postcards
• comparative studies using photomontage
• a 28 day photo series
• producing an observational video
• producing a final book
• a site specific interaction or installation
ARCH 497-01 REFLECTIVE RECORDINGS
ARCH 497-01 REFLECTIVE RECORDINGS
ARCH 497-01 REFLECTIVE RECORDINGS

28 DAYS OF
Dear Prof. Catherine,

Recent museums were expensive museums and mean a lot (strictly no pictures). But it was one of the precious experiences. The project's location is interesting; it seems on the islands in the inner sea. Needless to say, harmony on the islands in the inner sea is an essential feature of architecture and art works is the important in this region. Architecture and art works are important in this region. And for me, it gave me many lessons about architecture and urban design. Many residents in many regions live in the cities better than before this project, they are strongly positive because they can meet interesting people and communicate with them.

The world is a small place, and it is a big place at the same time.

Best regards,

[Signature]

Post Card

Dear prof. Cathy, we meet again.

Hello professor, I hope you like this drawing. The weather is hot and humid but precious experience here removes that obstacles enough.

In my memory about recent tour, Ginza's elegant texture on the rows of architecture facade is very strong. It seems to be art itself, it shows contemporary culture and diverse expression on beauties. And also region's characteristics and images; consumption & identity of each being.

Best regards,

[Signature]
ARCH 497-01 REFLECTIVE RECORDINGS

Exhibit in the book

Design opportunities range from the conceptual to the detailed. Architects can express different themes to different people through the design, creating a holistic experience that reflects the client's vision and values.

1. Conceptual drawings
2. Detailed plans
3. Material samples
4. Site analysis
5. Construction documents
6. Final renderings
7. Presentation boards
8. Model images
9. Sketches
10. Discussions with clients
11. Collaborations with consultants
12. Review of construction documents
13. Final review
EXPENSES

Tuition – 6 credits
Airfare – Approximately $1200 from the US
Japan Rail Pass - $500
Other Costs – food, hotels, trains and buses, and entry fees.
Midrange student travel budget $100 US/day.

500 + 3500 = $4000 US + airfare + tuition
Last year’s student spent less than $4000 + airfare.

VISAS
Visa requirements vary per nationality/passport. Please refer to the Consulate General of Japan, 737 N. Michigan Ave.
All visas required for travel must be obtained in Chicago by May 7.
learn from travel
experience the place
experience the culture