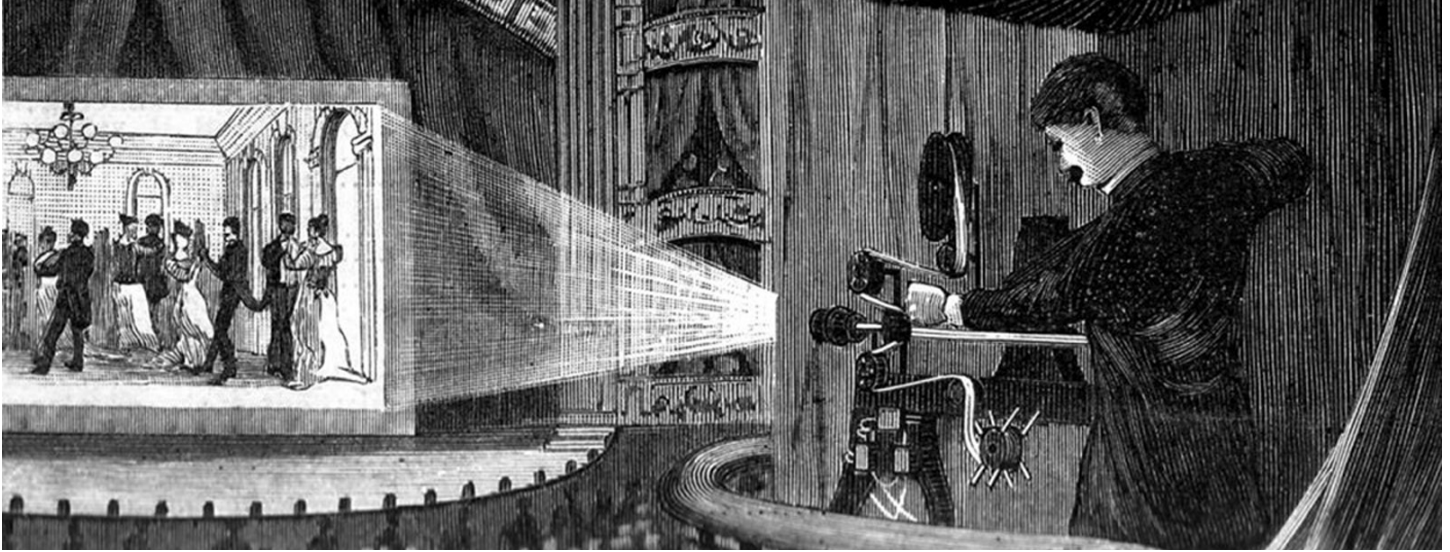# ARCH 451: ARCHITECTURE STUDIO II
CONSTRUCTIONAL PERFORMANCES

Thomas Edison's Vitascope from Machine History

COURSE INFORMATION
ARCH 451 | Architecture Studio II | S01 | Department of Architecture
South Dakota State University | 5 Credits | MWF 2:00PM – 4:50PM
Architecture, Math, & Engineering Room 0319 | Fall 2019

CONTACT INFORMATION
Jessica Garcia Fritz, Assistant Professor
Email: jessica.garcia-fritz@sdstate.edu
Office Location: Architecture, Math, & Engineering, Room 0368
Office Hours: By Appointment

COURSE WEBSITE
https://doarchperformances2019.school.blog

COURSE DESCRIPTION
In construction, performances are fleeting. Constructional performances leave little trace of the sequencing of decisions and actions made beyond the layering of material connections and spaces in a building or model as well as the pixels and vectors of an image. Media can make these traces evident by materializing each performance. ARCH 451: Architecture Studio II focuses on the documentation of these constructional performances through the interrogation of constructional material conditions as well as the making of constructional images and narratives.

The interrogation of constructional material conditions (site) will start with the documentation of existing physical object(s) such as a building, a site, or physical model. The making of constructional images (media) will make evident the existing and potential performances inherent in these objects. Using digital modeling tools, we will examine the layering and output of images through projection upon a physical object or screen. The extension and jointing of material, spaces, pixels, and vectors from the existing objects and how they are engaged will comprise the constructional narratives (program). Students will be challenged to engage with media in order to respond to the unique conditions of site and program through documented constructional performances.

COURSE PREREQUISITE
ARCH 352: Architecture Studio I or equivalent

COURSE GOALS
This is one of seven (7) professional studios in the architectural studio sequence. Students are expected to apply training from previous courses to work in this studio. Students completing the course successfully will have worked in a professional manner to complete the projects put forth in the project briefs. Fundamental explorations into specific architectural media will allow students to identify architectural systems so that each student begins to apply these elements in their process.

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STUDENT LEARNING OBJECTIVES

1- Develop skills in using digital and constructional media in order to interrogate the material conditions of an existing building, site, and/or physical model.

2 -Understand and describe the difference between representational orthographic and presentational post-orthographic media.

3- Demonstrate the ability to construct images and narratives that extend from analysis of precision and error in constructional material conditions.

4- Demonstrate the ability to respond to critical feedback and perform in a professional manner in terms of time management, behavior, and reviews.

5- Show initiative in exploring the challenges presented in the course.

METHODS OF ASSESSMENT

The final course grade will be based on performance throughout each unit. This grade will be assessed via a daily performance assessment (is the work complete and on time? Did the student participate in class?) of 0 (zero), - (minus), √ (check), + (plus) AND an overall assessment at the end of each unit.

Professional studio teaching is accomplished through an intensive making based study. Daily assignments are given and checked. On time submission of daily work is expected and will be assessed. Daily review and critique of the submitted work will be offered and will depend upon the engagement of the student as evidenced through work. Suggestions will be offered for improvement. During the reviews the instructor will critically study daily work submitted by the students for evidence of performance of the architectural issues under study.

Students who make A's in this course will be curious about ideas, will demonstrate basic comprehension of and engage in discussions based on the assigned readings, will substantially contribute to the completion of the class projects, and will find a way to channel these studies into a sophisticated questioning of architectural production.

You can complete every assignment on-time, complete them correctly, and still fail this course. Finishing is simply a basis for assessment. Demonstrating the issues of the course through your performance is how you pass the course.

GRADING CRITERIA

A Excellent
Exceptional performance; strongly exceeding the requirements of the course, showing strong academic initiative and independent resourcefulness.

B Good
Performance above the norm; accurate, complete, and beyond the minimum requirements of the course; work demonstrates marked progress and initiative.

C Average
Satisfactory/adequate work; adequately meets minimum requirements and demonstrates satisfactory comprehension, communication skills, and effort; demonstrates little initiative to investigate the problem without substantial prodding of the instructor; work shows little improvement.

* IN THE PROFESSIONAL PROGRAM, YOU MUST RECEIVE A "C" OR HIGHER IN ORDER TO PASS THE COURSE.

D Inferior
Unsatisfactory/inferior work; unsatisfactorily meets minimum requirements and demonstrates minimum comprehension, communication skills, and effort, at an inferior level; initiative lacking; improvement not noticeable.

F Failing
Does not meet minimum requirements; fails to adequately demonstrate comprehension or communication skills.

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EVALUATION PROCEDURES

Final grades for ARCH 451: Architecture Studio II will be given based on the following combination of projects and documentation:

The Four Misuses	40%
The Translation	40%
The Reflection	20%
Total	100%

NAAB STUDENT PERFORMANCE CRITERIA

The Department of Architecture (DoArch) must demonstrate that each graduate possesses the knowledge and skills defined by the criteria below. The knowledge and skills defined here represent those required to prepare graduates for the path to internship, examination, and licensure and to engage in related fields. The Department must provide student work as evidence that its graduates have satisfied each criterion.

The *2014 NAAB Conditions for Accreditation*, including a full description of Student Performance Criteria, can be found at **http://www.naab.org/**

The criteria encompass two levels of accomplishment:

- Understanding: The capacity to classify, compare, summarize, explain, and/or interpret information.
- Ability: Proficiency in using specific information to accomplish a task, correctly selecting the appropriate information, and accurately applying it to the solution of a specific problem, while also distinguishing the effects of its implementation.

Student Performance Criteria are organized into realms to more easily understand the relationships between each criterion.

Realm A: Critical Thinking and Representation: Graduates from NAAB-accredited programs must be able to build abstract relationships and understand the impact of ideas based on the study and analysis of multiple theoretical, social, political, economic, cultural, and environmental contexts. Graduates must also be able to use a diverse range of skills to think about and convey architectural ideas, including writing, investigating, speaking, drawing, and modeling.

Realm B: Building Practices, Technical Skills, and Knowledge. Graduates from NAAB-accredited programs must be able to comprehend the technical aspects of design, systems, and materials and be able to apply that comprehension to architectural solutions. In addition, the impact of such decisions on the environment must be well considered.

Realm C: Integrated Architectural Solutions. Graduates from NAAB-accredited programs must be able to demonstrate that they have the ability to synthesize a wide range of variables into an integrated design solution.

Realm D: Professional Practice. Graduates from NAAB-accredited programs must understand business principles for the practice of architecture, including management, advocacy, and the need to act legally, ethically, and critically for the good of the client, society, and the public.

NAAB CRITERIA

For ARCH 451: Architecture Studio II, the following NAAB criteria will be implemented. Each of these will be explained in class and student work will be evaluated in part by demonstrating an increased understanding of these criteria.

A.2 Design Thinking Skills: *Ability* to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes against relevant criteria and standards.

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STUDIO SET-UP　Sections 1 and 2 of ARCH 451 will design and share an in-studio imaging space. Students and faculty will tune this space throughout the semester. Additionally, pairs of students from each section will be assigned a projector (four to five people per projector) to use. Stewardship and thorough maintenance of this shared space and equipment will be an essential part of students' work. The links between work spaces, equipment, and media/material processes will be outlined in each project brief. Any changes to the proposed scope of work will be announced in studio and posted to the course website.

STUDIO POLICY　This studio will require a substantial investment of your time, skill, and critical thought. Research and individual resourcefulness is required. In addition to the department's studio culture policy, the following are in-class studio policies that will be implemented:

- Be on time for studio. Tardiness will affect grading.
- New work must be presented for each meeting.
- All assigned work is due at the beginning of the class period on the day it is due unless otherwise directed.
- Ideas for discussion must be printed, projected, or physically modelled.
- Not being able to output is not an excuse for late work.
- No excuses will be accepted for technical difficulties, lost or corrupted files, freezes or crashes. Back-up files frequently.
- Participation in midterm and final reviews is a privilege and students may be held out of juries based on the instructor's evaluation of their work to date.
- Participation in pinups and reviews will be taken into account in the grading process.
- All students are required to subscribe to the course website in order to access course materials and receive class announcements. This will be the direct means of communication from the instructor.
- All cell phones should be STOWED AWAY during class.

UNIVERSITY KEY DATES　The following dates are key dates for the SDSU Fall 2019 semester.

Week 01	M.	08/26	Start Date/Instruction Begins
Week 02	M.	09/02	No Class - Labor Day Holiday
	Th.	09/05	Last day to drop or add classes & adjust final fees
	F.	09/06	"W" grade begins
Week 03	F.	09/13	Last day to submit a graduate application for Fall19
Week 08	M.	10/14	No Class - Native American Day Holiday
	F.	10/18	First half Fall Term ends
Week 09	W.	10/23	Deficiency reports due on Self Service by midnight
Week 11	M.-Tu.	11/04-11/05	Higher Learning Commission On-Site Re-Accreditation Visit
	F.	11/08	Last day to drop a course
Week 12	M.	11/11	No Class - Veterans' Day Holiday Observed
Week 14	W.-Su.	11/27-12/01	No Class - Thanksgiving Recess
Week 16	W.	12/11	No Class - Final Exam Preparation
Week 16-17	Th.-W.	12/12-18*	Final Exams
Week 18	M.	12/23	Grades due on WebAdvisor by midnight

*December 18 - official graduation date noted on transcript
Note: There is no Fall 2019 Commencement Ceremony

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PRELIMINARY SCHEDULE

The following dates are key dates for ARCH 451: Architecture Studio II. The schedule is subject to change and will be made more specific in each project brief.

Week 01	M. 08/26	First Day of Class
	W. 08/28	Start *The Four Misuses*
Week 02	M. 09/02	No Class - Labor Day Holiday
Week 03	F. 09/13	No Class - AIASD Convention
Week 07	M. 10/07	*The Four Misuses* Review
	W. 10/09	Start *The Translation*
Week 08	M. 10/14	No Class - Native American Day Holiday
	F. 10/18	*The Four Misuses* Assessment Returned
Week 10	M. 10/23	Jessica Absent - Iowa State Lecture
Week 12	M. 11/11	No Class - Veterans' Day Holiday
Week 14	M. 11/25	*The Translation* Review
	W.-Su. 11/27-12/01	No Class - Thanksgiving Recess
Week 15	M. 12/02	Start *The Reflection*
	F. 12/06	Super Thing
Week 16	M. 12/09	*The Reflection* Due *The Translation* Assessment Returned
Week 17	Th. 12/12	1:45pm-3:45pm Final Exam Time *The Reflection* Assessment Returned
Week 18	M. 12/23	Final Grades Returned on Self Service

MATERIAL & EQUIPMENT REQUIREMENTS

The following list of initial materials and software are required for the course. Additional material requirements will be added throughout the duration of the semester and will be specified in each project brief.

- Sketchbook & Computer
- Box Folder
- Digital Modeling Software (Revit- release year to be decided on first day of class)
- Image Editing Software (Adobe Suites)

READING REQUIREMENTS

All readings, except for the required text, will be made available on the course website before they are discussed. The books and journals they are selected from are suggested purchases. Briggs Library offers architectural materials via their online catalog.

Ford, Edward R. "The Detail as Representation of Construction." In *The Architectural Detail*, 129-175. New York, NY: Princeton Architectural Press, 2011.

Hughes, Francesca. "Introduction" and "Error and Precision." In *The Architecture of Error: Matter, Measure, and the Misadventures of Precision*, 1-41. Cambridge, MA: MIT Press, 2014.

May, John. "Everything is Already an Image." *Log 40,* (Spring/Summer 2017): 9-26.

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ATTENDANCE Every instructor in the department will assess and record attendance. Attendance assessment is measured in "Strikes". In this assessment there are four states of daily attendance:

a) Present - (no strike) In class for the full meeting period.

b) Absent - (no strike) Making up for assignments or missed coursework is the responsibility of the student, not the instructor. Excused absences are:
1- Officially representing the University
"Appropriate sanctioned activities include: Collegiate club sports and competitions; Conferences and workshops recognized by the University not related to academics; Commitments on behalf of the University (Students' Association, Band, Choir, etc.); Intercollegiate athletics; and Professional activities recognized by the University related to academics (professional conference attendance, etc.)"*
"Students must present the completed approved trip absence card to the faculty member ONE WEEK prior to the trip or event to have an official excused absence. Faculty members are not required to honor incomplete or late cards. Absences for trips or activities will not be approved during finals week."*

2- Student-Athletics
"i. No student-athlete may be absent from more than ten (10) class sessions (including required laboratory sessions) of a given course in a semester.
ii. Athletic excused absences will not be approved during final examination period with the exception of required conference or NCAA activities.
iii. In the interest of safety for student-athletes and staff, missed class-time resulting from travel delays associated with inclement weather will be excused."*
"Students must present the completed approved trip absence card to the faculty member ONE WEEK prior to the trip or event to have an official excused absence. Faculty members are not required to honor incomplete or late cards. Absences for trips or activities will not be approved during finals week."*

3- Health Issue
Medical reasons or illness requiring consecutive, multiple absences . If a student is sick, then they must stay home. Students who have had a fever in the 24 hours before a class meeting should not attend the session. Inform the instructor as soon as possible about illnesses or accidents. Verification may, in some instances, be required.

Special Note on Excused Absences:
"…should excused absences be excessive, the faculty member may recommend withdrawal from the course(s) or award an incomplete grade."*

c) Tardy - (half-strike) Late arrival / early departure (15 minutes or more) counts as a half strike. Making up for assignments or missed coursework is the responsibility of the student, not the instructor.

d) Missing - (full strike) Not present and not excused. Making up for assignments or missed coursework is the responsibility of the student, not the instructor.

Strikes are accrued due to tardiness or missing scheduled class meetings. Once a student accrues enough strikes the course assessment is lowered a letter grade. Once a student accrues the next strike they fail the course.
- ARCH 352, 451, 452, 551, 552, 651, 652: on 4th strike, lose a letter grade; on 5th strike, fail the course.
- ARCH 251, 252, 351: on 4th strike, lose a letter grade; on 5th strike, fail the course.
- Non-studio, once a week class meetings: on 2nd strike, lose a letter grade; on 3rd strike, fail the course.
- Non-studio, twice a week class meetings: on 3rd strike, lose a letter grade; on 4th strike, fail the course.

Failure in Attendance
Enrolling in a DoArch course is a contract for participation in a professional and intellectual education. DoArch, "is obligated to encourage its primary constituents, the students, to meet their responsibilities to themselves, their families, classmates, instructors, and the taxpayers and donors who support higher education in South Dakota."* DoArch courses are performative in nature and entail a high level of collaboration and discussion. Students who fail in attendance will no longer be able to attend the course. Students who fail in attendance in studios are no longer part of the cohort and will promptly move out of the studio before the next class meeting.

*(SDSU Policy and Procedure Manual 2:5 "Class Attendance")

STUDENT ACADEMIC INTEGRITY AND APPEALS

The University has a clear expectation for academic integrity and does not tolerate academic dishonesty. University Policy 2:4 sets forth the definitions of academic dishonesty, which includes but is not limited to, cheating, plagiarism, fabrication, facilitating academic dishonesty, misrepresentation, and other forms of dishonesty relating to academics. The policy and its procedures also set forth how charges of academic dishonesty are handled at the University. Academic Dishonesty is strictly proscribed and if found may result in student discipline up to and including dismissal from the University.

FREEDOM IN LEARNING

Students are responsible for learning the content of any course of study in which they are enrolled. Under Board of Regents and University policy, student academic performance shall be evaluated solely on an academic basis and students should be free to take reasoned exception to the data or views offered in any courses of study. Students who believe that an academic evaluation is unrelated to academic standards but is related instead to judgment of their personal opinion or conduct should first contact the instructor of the course. If the student remains unsatisfied, the student may contact the department head and/or dean of the college which offers the class to initiate a review of the evaluation.

ADA STATEMENT

Any student who feels s/he may need an accommodation based on the impact of a disability should contact Nancy Hartenhoff-Crooks, Coordinator of Disability Services (605-688-4504 or Fax, 605-688-4987) to privately discuss your specific needs. The Office of Disability Services is located in room 065, the Student Union.

STUDENT CONDUCT

Students will conduct themselves in a manner that promotes learning. Disruptive behavior and disrespectful attitudes will not be tolerated.

DIVERSITY & INCLUSION

In this class, people of all ethnicities, gender identities, religions, ages, sexual orientations, disabilities, socioeconomic backgrounds, regions, and nationalities are strongly encouraged to share their perspectives and experiences. Over the course of the semester, please honor the uniqueness of your fellow classmates and refrain from personal attacks or demeaning comments of any kind. If you feel your differences may in some way isolate you from South Dakota State University's community or if you have any specific accommodations, please speak with me about your concerns and what we can do together to help you become an active and engaged member of our class and community.

CELLULAR PHONE POLICY

The use of cellular phones in the classroom is not permitted. Phones must be turned off.

VETERANS & ACTIVE DUTY MILITARY PERSONNEL

Veterans and Active Duty Military Personnel with special circumstances (e.g., upcoming deployments, drill requirements, disabilities, and other qualifying needs) are welcome and encouraged to communicate these, in advance if possible, to the instructor in order to address attendance requirements or other actions in accordance with SDBOR and University policies and procedures.

CHILDREN IN CLASS

Per SDBOR policy 4:41, children are not allowed in work areas, hallways, libraries, lounges, areas adjacent to classrooms, laboratories, or offices except under brief or exceptional circumstances during the standards working hours. As a general rule, students should not bring children to class, however, if an emergency situation occurs exceptions can be made with prior approval of the faculty member.