



SYLLABUS

ARCH 3530/3531 Studio Genoa/Studio Genoa Lab

LARC 3550/3551 Off-Campus Studio/Off-Campus Studio Lab

Charles E. Daniel Center

6 credit hours

Meets Mondays, Tuesdays and Wednesdays, 14:30-18:30

See semester calendar for details.

Time to Wait:

Responsibilities to the School, the College, the University, family and to the demands of conducting professional practices will probably result in an unplanned absence or late arrival. We take our teaching obligations very seriously and assure you that we will make every effort to balance outside pressures and the studio. If an instructor is not in studio by 14:45 and has not emailed the class with instructions, you should simply consider the day to be an in-studio work day and continue working on your project for the full duration of the regular studio hours.

Course Modality:

In-person, with synchronous online instruction via zoom as needed to accommodate remote Professor-in-Residence, pedagogical goals and/or unforeseen circumstances. Meetings via zoom can be accessed here:

<https://clemson.zoom.us/j/96749965296?pwd=WDZrYncyWHE4WTdRNnICUXhkbWh4Zz09>

Instructional Cohort:

Professors	email	phone
George Schafer, PIR	gschafe@clemson.edu	+01.704.562.9100
Luca Rocco, Professor	aplrcdv@gmail.com	
Danila Vespier, Professor	danilo@vespierarchitects.com	
office hours: by appointment		

Course Descriptions

ARCH 3530, Studio Genoa:

Addresses architectural problems with varied scales and programs in the context of Genoa, Italy, and historic Europe. Emphasizes the relationship between architecture and context. Projects include analysis, conceptual development, and architectonic resolutions. Design problems vary every semester according to current issues. Continued development of graphic and oral communication skills. May be repeated for a maximum of 12 credits. Preq: ARCH 3500. Coreq: ARCH 3531.

LARCH 3550 Off-Campus Studio:

Off-campus landscape architecture studio in Istanbul, Charleston, Genoa, or Barcelona. Preq: Junior standing. Coreq: LARC 3551.

Value Statement

The Spring 2023 Genova Studio celebrates 50 years of productive and memorable villa experiences, all shaped by cultural exchange and research, and in return brings us closer to knowing what it means to be a global citizen. We celebrate this place,

the CACG, its students, faculty, and staff who when taken together foster new work, new collaborations, new ideas, and new lenses on architecture to be brought back to deepen your education in the United States.

This collaborative design studio at its core celebrates cultural exchange, it offers students a cultural literacy learned from Italian urban artifacts, from places and people they will visit, touch, and see, guided by one American and several Italian faculty members. The semester experience seeks to offer a trajectory from morphological and contextual typologies into a future type with contemporized memories of the past that continue, as seen through the words of Aldo Rossi, as artifacts with permanence, value, and social content. By looking back into the past for a moment, to listen to other cultures, to see their artifacts and then to look forward, thinking not only about where we are going but how we got to be where we are is a facet of the global citizen.

This studio aims to synthesize knowledge and skills developed in previous architectural studios, classes and seminars within a collaborative studio context, and in particular, aims to leverage the diversity of competencies, experiences and ideas represented in a vertical (Graduate and Undergraduate) and interdisciplinary (Architecture and Landscape Architecture) studio. Building on previous design studios, students continue their investigation into the design of urban spaces, architectures and landscapes. The key issues to be addressed in this studio will include: basic research methodologies, understanding cultural and historical contexts, site analysis methodology, site planning strategies, use-program development and analysis, integration of building and landscape design, structural design, enclosure systems, building systems, sustainable building strategies, and accessibility. The studio will encourage spirited but respectful peer-to-peer and peer-to-professor discourse in a learning environment where diversity is both visible and celebrated.

The studio will function as a single, design-research entity. All of the research outcomes will be shared in terms of authorship and production, and will be integrated as artifacts into an exhibit for the 50th Celebration of the Daniel Center. Design processes, deliverables, building scopes and programs, etc. will be co-created by studio instructors and students within a fluid and iterative studio dynamic.

NAAB Student Performance Criteria

The School of Architecture's educational mission is guided by the National Architectural Accrediting Board's Conditions and Program & Student Criteria. This course will focus on the following NAAB Criteria as a learning framework:

PC.4 History and Theory—How the program ensures that students understand the histories and theories of architecture and urbanism, framed by diverse social, cultural, economic, and political forces, nationally and globally.

PC.8 Social Equity and Inclusion—How the program furthers and deepens students' understanding of diverse cultural and social contexts and helps them translate that understanding into built environments that equitably support and include people of different backgrounds, resources, and abilities.

SC.5 Design Synthesis - How the program ensures that students develop the ability to make design decisions within architectural projects while demonstrating synthesis of user requirements, regulatory requirements, site conditions, and accessible design, and consideration of the measurable environmental impacts of their design decisions.

Course Materials

REQUIRED:

- Laptop with drafting/3D modelling software (Autodesk + Rhino + Revit), graphic/desktop publishing software (Adobe Suite including Acrobat, Photoshop, Illustrator & InDesign) and word processing/presentation software (Office Suite including Word, Excel and Powerpoint).
- Camera.
- Standard studio sketching, drawing and modeling materials and supplies.
- Readings - TBD in concert with natural progression and development of the studio topic.

Learning Environment

Learning and Studio Culture

The Learning Culture Policy presents guidelines for working together in the School of Architecture and the paired statements on Learning Culture and Studio Culture are the clearest descriptions of how this studio is formulated. The design studio itself is a design project - faculty and students are partners in the collaboration and we teach one another. See

<http://www.clemson.edu/caah/departments/architecture/about/policies.html>

House Rules

Studio etiquette in the Daniel Center should follow "Lee Hall Complex Rules," which indicate that students shall not spray paint or use spray glue indoors, and shall not spray any exterior surfaces, including grass and plants. Students shall not otherwise damage buildings or facilities and may be fined for doing so. Students shall maintain cleanliness, dispose of their waste properly, and shall remove all belongings after final exams and/or final reviews. See the Lee Hall Complex Rules handout for details.

Course Communications

Please check your clemson.edu email address at least once a day for potential messages dealing with this course. The studio and instructors, as per CU policy, will only utilize your clemson.edu email address. We will be using Box for posting material, references, and for milestone submittals, and Miro or other work-sharing virtual spaces where useful for our ongoing collaborative research and communication. Canvas will be used solely for the Notification of Absence module. The studio may also decide collectively to utilize alternate platforms for sharing work and messaging.

Digital Distractions

Electronic devices and a wide variety of software applications are part of our standard studio toolset, but they are to be used only in clear and direct support of the studio work task at hand. Texting, posting, phoning, gaming, and watching videos are not appropriate in the studio environment. Except as part of the studio workflow.

Technical Failure Policies

Loss of your digital work or failure to manage output are unacceptable excuses for failures to present or submit required presentation material. Learn how to print/plot from all relevant apps and back-up your work to some location other than your own on-board hard-drive. Save often, back-up often.

Assessment of Student Performance and Grading Policies

Your final course grade will be based on an evaluation of the quality of the final work as submitted, and the quality of effort put forth over the entire semester. Particular attention will be given to the development, or ongoing and continual refinement, of the collaborative studio design project. Special attention will be given to the level and quality of engagement with the full range of issues enveloping the studio project and contexts.

Evaluation Criteria/Milestones:

25% Research Phase

- Site Analysis / Documentation
- Taxonomy of Similar Sites
- Cultural Scavenger Hunt
- Site Parti

25% Schematic Phase

- Deliverables tbd

25% Design Development / Exhibit Phase

- Deliverables tbd

25% Detail Design Phase

- Deliverables tbd

Grade scale:

- | | |
|---|--|
| F | Failed - indicates the student knows so little of the subject that it must be repeated in order that credit can be received. Student work and/or effort fails to meet the bare minimum course requirements. |
| D | Pass - indicates work below average and unsatisfactory, the lowest passing grade. Below average - weak effort with weak results, very poor but passing. |
| C | Fair - indicates work of average or medium character. Satisfactory but without distinction. All work satisfactorily completed and submitted on time, work shows acceptable levels of engagement and effort, work shows basic understanding of material and methods. Quality of work and quality of effort aligns with the overall studio average. The student has no more than two unexcused absences. |
| B | Good - indicates work that is definitely above average, though not of the highest quality. |

Work of very good quality, energy, and involvement. The work surpasses the stated project requirements and expectations and displays higher than average levels of proficiency and engagement. Clearly above the studio average and clearly surpasses the studio's basic requirements. The student has no more than one unexcused absence.

- A Excellent - indicates work of a very high character, the highest grade given. Work of excellent quality, energy, and intense involvement; outstanding work that is clearly superior to the studio average and to the B-level work. Work and effort display unusually high levels of engagement, discipline, insight, curiosity, and ability. **The student has zero unexcused absences.**
- I Incomplete - Incomplete work due to dire and uncontrollable circumstance(s) that have strictly prohibited the work from being completed. Any situation responsible for consideration of granting an "I" must be done in accordance with University regulations.

Assessment of student performance will be an ongoing discussion throughout the semester between student teams and section instructors. After critical review milestones, students will be asked to critically assess their own performance relative to effort and execution, and be prepared to engage with instructors in an honest dialogue about their progress in the studio and the overall health of their design teams.

Class Rolls

Students can use iRoar to add courses through January 18, to drop courses without record through January 25, and to drop with a W grade through March 17, 2023. Students that have not participated in class activities by the second week, after the last day to add a class (January 18), should be removed from the roll using the registration correction form. A student with an excessive number of absences may be withdrawn at the discretion of the course instructor.

Class Attendance

In accordance with the Undergraduate Announcements and Clemson's Academic Regulations each student is expected to attend every class. Experience suggests that there is a direct relationship between active participation in the studio and performance in the studio; if you are not present you are not going to do well in the studio's collaborative project-based pedagogy. Attendance at all class meetings for the full period is expected and required. Studio absences can be excused if: 1) they result from a death in the student's immediate family, 2) they are caused by illness (this requires a signed doctor's note), or 3) they are excused at the discretion of the studio instructor. Arriving late or leaving studio early will be counted as absences. You are allowed two unexcused absences this semester after which any additional unexcused absences will impact your final grade. Attendance at pin-ups, critiques and reviews is critical. This is one of the key elements in the studio pedagogy and one of the most important teaching forums so your presence and participation are essential. Showing up late or missing a scheduled review without a valid excuse will result in a failure for that review.

*An unexcused absence is defined at any time you fail to first notify your instructor as to the nature of your absence prior to missing the class, or immediately after if the circumstances dictate that prior notification is impossible. Extracurricular, social activities, and employment reasons **do not** constitute excused absences.*

Late Work Policies

Any and all work must be submitted complete and on time. Turning work in late (without an acceptable reason) is not an option. Work not submitted or displayed in time for pin-ups or reviews will not be critiqued or evaluated. Failure to submit the final portfolio for grading by the May 01 deadline will result in failure of the course.

Presentations, Critiques and Reviews

Whether scheduled or impromptu, discussions of the work are an essential element in the studio. Missing presentations or failing to pinup work is simply not an option. When reviews or critiques are scheduled or announced the expectation is that you will present your work regardless of the state of completion. Failure to 'pinup' will have serious impacts on your grade and can result in failing the semester. Likewise, failure to participate in the on-going studio conversation by disappearing from critiques, sleeping or generally being absent heavily compromises the studio collective and will also be noted in final grading.

Make-up Work Due to Missed Attendance

1. Course instructors must implement fair grading procedures and provide an opportunity to make up missed assignments and examinations that does not unfairly penalize the student. Issuing specific dates by which make up work must be submitted

without confirmation from the student could constitute unfair penalization, as students with illnesses or emergency may not always respond in a timely manner. Such make-up work shall be at the same level of difficulty with the missed assignment or examination. Course instructors shall hold all students to the same standard for making up missed assignments or examinations.

2. While course instructors should seek to make reasonable accommodation for a student involved in University-sponsored activities, students should understand that not every course can accommodate absences and that absences do not lessen the need to meet all course objectives.

Notification of Absence

The Notification of Absence module in Canvas allows students to quickly notify instructors (via an email) of an absence from class and provides for the following categories: court attendance, death of immediate family member, illness, illness of family member, injury, military duty, religious observance, scheduled surgery, university function, unscheduled hospitalization, other anticipated absence, or other unanticipated absence. The notification form requires a brief explanation, dates and times. Based on the dates and times indicated, instructors are automatically selected, but students may decide which instructors will receive the notification. This does not serve as an "excuse" from class. It is a request for an excused absence and students are encouraged to discuss the absence with instructors, as the instructor is the only person who can excuse an absence. If students are unable to report the absence by computer, they may reach the Office of Advocacy and Success via 864.656.0935. Students with excessive absences who need academic or medical assistance can also contact the Office of Advocacy and Success.

Inclement Weather

Any exam that was scheduled at the time of a class cancellation due to inclement weather will be given at the next class meeting unless contacted by the instructor. Any assignments due at the time of a class cancellation due to inclement weather will be due at the next class meeting unless the instructor contacts students. Any extension or postponement of assignments or exams must be granted by the instructor via email or Canvas within 24 hours of the weather-related cancellation.

Policies on Incompletes and Medical Withdrawals

1. Issuing an "Incomplete" grade (I) to a student is an option if a student is unable to complete make-up work in a timely manner due to illness or other issues. An Incomplete indicates that a relatively small part of the semester's work remains undone. It is not intended for students who are failing a course otherwise. In the event that an Incomplete is appropriate, students will contact instructors in a timely manner so that instructors can provide a reasonable opportunity to complete remaining work. Instructors and students will work together to resolve the Incomplete grade as soon as possible, not to exceed thirty days from the first day of classes in the next scheduled session (excluding summer sessions and regardless of the student's enrollment status).
2. Sometimes due to illness (including COVID-19 related illness) or other life circumstances, students may not be able to complete academic work for the term and will need to withdraw from all classes. The Division of Undergraduate Studies will process medical withdrawals. Students should contact the Division by sending an email from their Clemson email address to Lisa Traynham at ltrayn@clemson.edu.

Accommodations for Students with Disabilities

Student Accessibility Services coordinates the provision of reasonable accommodations for students with disabilities and students experiencing barriers due to inaccessibility. Accommodations are individualized, flexible, and confidential and are based on the nature of the disability and the academic environment, in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

Students are encouraged to consult with the Accessibility Services staff early in the semester, preferably prior to the first day of class. Current documentation of a specific disability from a licensed professional is needed. Additional information or appointments are available from Student Accessibility Services, Suite 239 in the Academic Success Center, 656-6848, studentaccess@lists.clemson.edu. Details on policies and procedures are available at

<http://www.clemson.edu/academics/studentaccess/>

Topical Outline and Schedule

Please review the semester schedule, Undergraduate Handbook and the official university academic calendar for drop/add, withdrawals, and other critical dates or deadlines. The semester's primary design project will be organized as a series of escalating engagements with the topic and with various pin-ups/reviews/critiques. The review formats and scopes of

presentation materials will grow out of the project development and be detailed as the semester progresses.



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BAC Barcelona Architecture Center

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BARCELONA ARCHITECTURE CENTER is an educational organization founded in 1998 and chaired by Miguel Roldán. The BAC was created with the aim of developing academic and research collaborations with other universities and higher education institutions across the globe.

Barcelona Design Studio America's Cup Building

Edited by Barcelona Architecture Center
In collaboration with Clemson University, Texas A&M University and Roger Williams University

America's Cup Sailing Competition, BCN 2024, Base and Viewpoint
BAC Barcelona Architecture Center Spring 24

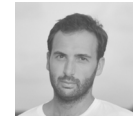
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Barcelona Design Studio SPRING 24

America's Cup Building



MIGUEL
ROLDAN



DAVID
ESPUÑA

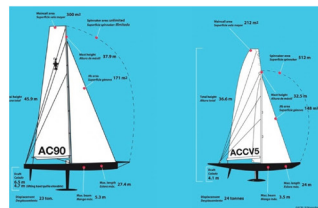


MERÇE
BERENGUÉ

The Spring 2024 Barcelona Design Studio project proposes the students to work on the reactivation of the Barcelona Waterfront areas of the Port to design the new central Base and viewpoint for the America's Cup International Sailing Competition that will be held in Barcelona in 2024. A site in between the urban component of the City and the geographical condition of the Sea, that should be transformed from its infrastructural use into a public space. A Urban Design to make possible that the culture of the Mediterranean public space, the most valuable condition of our Mediterranean identity, could be preserved and reviewed. A challenge extendible to all over the world, with other cities including the transformation of the waterfront on their agendas.

The Barcelona Design Studio is an opportunity to work on a real site proposal that demands an understanding of the design as a process of place-making. This procedure implies a comprehension of the geographic conditions, including orientation and views, but also an understanding of the cultural context, with the pre-existences and past layers. The design will therefore have a multiscale sense, from the level of the city, with its urban and landscape conditions, to the level of the building. The process is understood and developed as a comprehensive studio, where multiple complexities intervene, including an intuitive notion of materiality, structure and construction. Developing the design work from a conceptual point of view, but always with the complexity that demands a multiple-layer reading.

The program, within a simulation of a competition, is a chance to test the role of the professional practice with compact and brief documentation. Students develop the ability to understand and interpret the complexities as part of the design studio work, giving a response from the urban landscape condition of the city to the building scale level. Throughout the design process, students interact with a complex urban reality and a cultural context different from their own. A travel to get something but to come back to their place and to see the common things from another perspective. And from this perspective understanding where they are. With this process, students feel they are architects and landscape architects from the first day, building their own voice, not becoming Barcelonan but at least imagining that they belong to the site.





Barcelona Design Studio SPRING 24

America's Cup Building

Site location

The project site for this Spring 2024 Design Studio project will be plot located in the Barcelona's Port known as the Eastern Dock "Moll de Llevant".

Its privilege location in the Barcelona's Port, and its urban condition, as an end of the Barceloneta neighborhood, with the Juan de Borbón Promenade, brings to the site an infrastructural condition that creates an opportunity for its transformation. The site needs to be re-interpreted, re-thought, and re-used into a new public space located as an end to the old city of Barcelona and a gate of entrance to the Mediterranean Sea.

Theme description

Following the Regional Coastal Plan for the reactivation of the Barcelona waterfront areas of the Port, BAC proposes to Spring 2024 students to design the new Ferry Terminal of the Barcelona Port. The building will temporarily be used as a Central Base and viewpoint for the America's Cup International Sailing Competition that will be held in Barcelona in 2024.

Site description

The Eastern Dock "Moll de Llevant" is occupied by the Marina Vela, the newest Recreational Boating Port of Barcelona. This space has completely transformed the geography of the first breakwater built during the 1950's, and previously also modified by the opening of the Northern Entrance "Bocana Nort" made during the 2000's, which works as a gate of entrance to the Old Port and separates it from the Cruise Port, located in the Attached Dock "Moll Adossat". The construction of the W Hotel, opened in 2009, with its huge sail-like silhouette, brought to the site its actual urban condition.

Marina Vela is organized by different spaces. The breakwater, located in the South-Est side, has recently opened as a pedestrian promenade, with an impressive view of the Mediterranean sea and the horizon, due to its height level from the water. The North-Est side is occupied by the extension of the Rosa dels Vents Square, a Parking Platform with a Plaza on top, where the W Hotel is raised.

The North-West side where the Eastern Dock "Moll de Llevant" is located is organized by two areas. Facing the Marina we find a longitudinal building with logistic spaces on the ground floor related to the piers and a Pedestrian Rambla on top, as continuity of the Juan de Borbón axis. On the other side two industrial buildings formerly used as Shipyards.

The actual Ferry Terminals, located at both sides of the Barcelona Pier, next to the World Trade Center, are scheduled to close in 2024, due its central location on the city's waterfront.

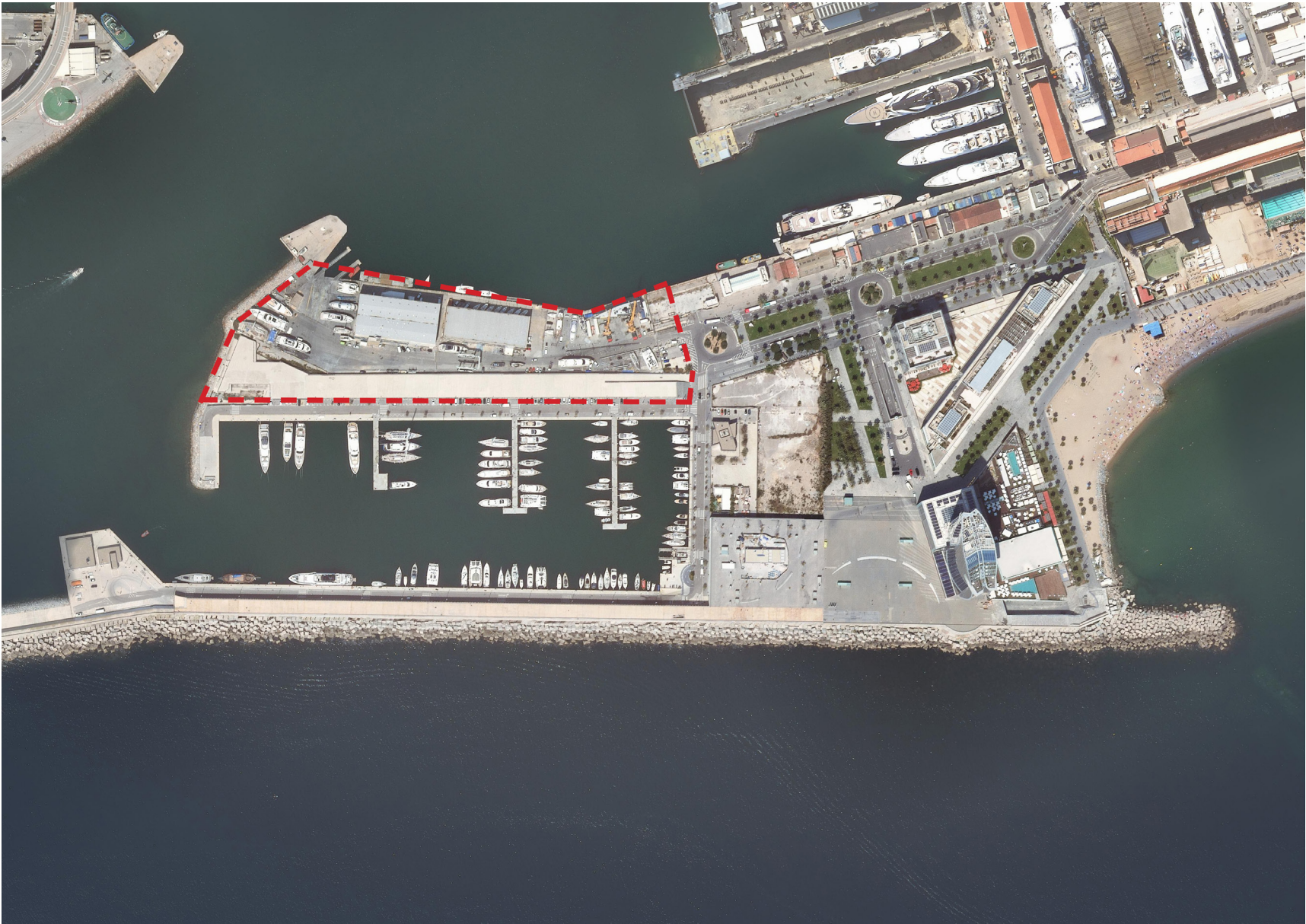
America's Cup International Sailing Competition, Barcelona 2024

The America's Cup of sailing is the most important regatta in the world that brings together history, fame, fortune, international rivalry, and technology, giving rise to one of the greatest sporting events of today.

The America's Cup dates back to 1851, even before the new Olympic Games, when members of the New York Yacht Club sent a sleek, 101-foot schooner across the Atlantic, entered and won the Royal Yacht Squadron's 53-mile race around the Isle of Wight. The schooner's name: America. Its owners returned to New York with bragging rights and an ornate silver ewer called the Hundred Guinea Cup, which was soon renamed for the winning vessel.

Since the 1920s the America's Cup race has been between one defending vessel and one challenging vessel, both of which are determined in separate series of elimination trials. Each competing vessel must be designed, built, and, insofar as possible, outfitted solely in the country that it represents.

The 37th America's Cup will be held in Barcelona from the 22nd of August 2024. This scenario brings to the city an opportunity to redesign the city's waterfront and the need for the Teams to build a Venue to host activities as well as a viewpoint for the competition.



Program description

The site has remained underused even its potentiality. The Shipyards are in a process of relocation in the outskirts of the Port. Although the privileged piece of the city that they represent, the space is completely fenced and inaccessible. In addition, the Pedestrian Rambla is a public space with a dead end.

This project theme will be strongly based on the site discussion, at a functional, historical and social components, in a place where it seems that there is no urban footprint but there is a possibility to build a direct connection with the adjacent neighborhood.

This 'remoteness' has built a site that could seem forgotten by most of the citizens. Even that, it has a remarkable urban condition to become a central element for the reconversion of the Port into a permeable area.

22nd of August 2024. This scenario brings to the city an opportunity to redesign the city's waterfront and the need for the Teams to build a Venue to host activities as well as a viewpoint for the competition.

PUBLIC SPACE	27,000 m²
AMERICA'S CUP BUILDING	10,500 m²
Entrance	2.000 m ²
Teams Venue	5.500 m ²
Meeting Rooms (20 Spaces)	600 m ²
Auditorium	1.200 m ²
Restaurant	600 m ²
Logistic Space	600 m ²

Volume limitations: none

Maximum high: none

Other considerations

. The public space maintenance and consumptions together with the building should be nZEB (nearly Zero-Energy Building), requiring very low needs of energy in its operation and production of renewable energy. Preeminent use of the natural light in all interiors is suggested.

. Any transformation or construction process should be planned with low Grey-Energy expense, taking in account all the construction processes: the demolition of the existing elements, the excavation, the construction of the new volume.

. Use of renewable, recycled, local and sustainable materials is mandatory. Ecological and local approach on the selection of the materials (structure, roof...) and species (trees, plants), both for the building and the public space is also compulsory

Program Objectives

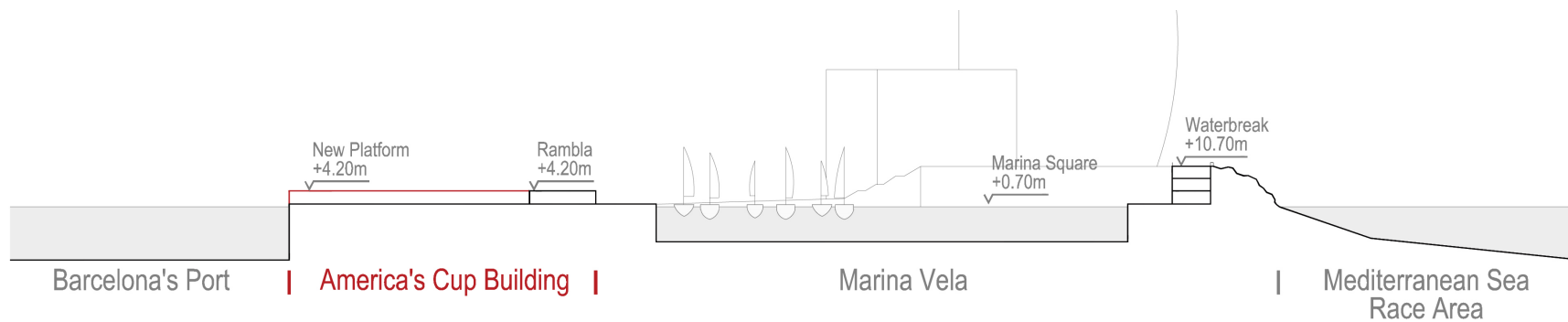
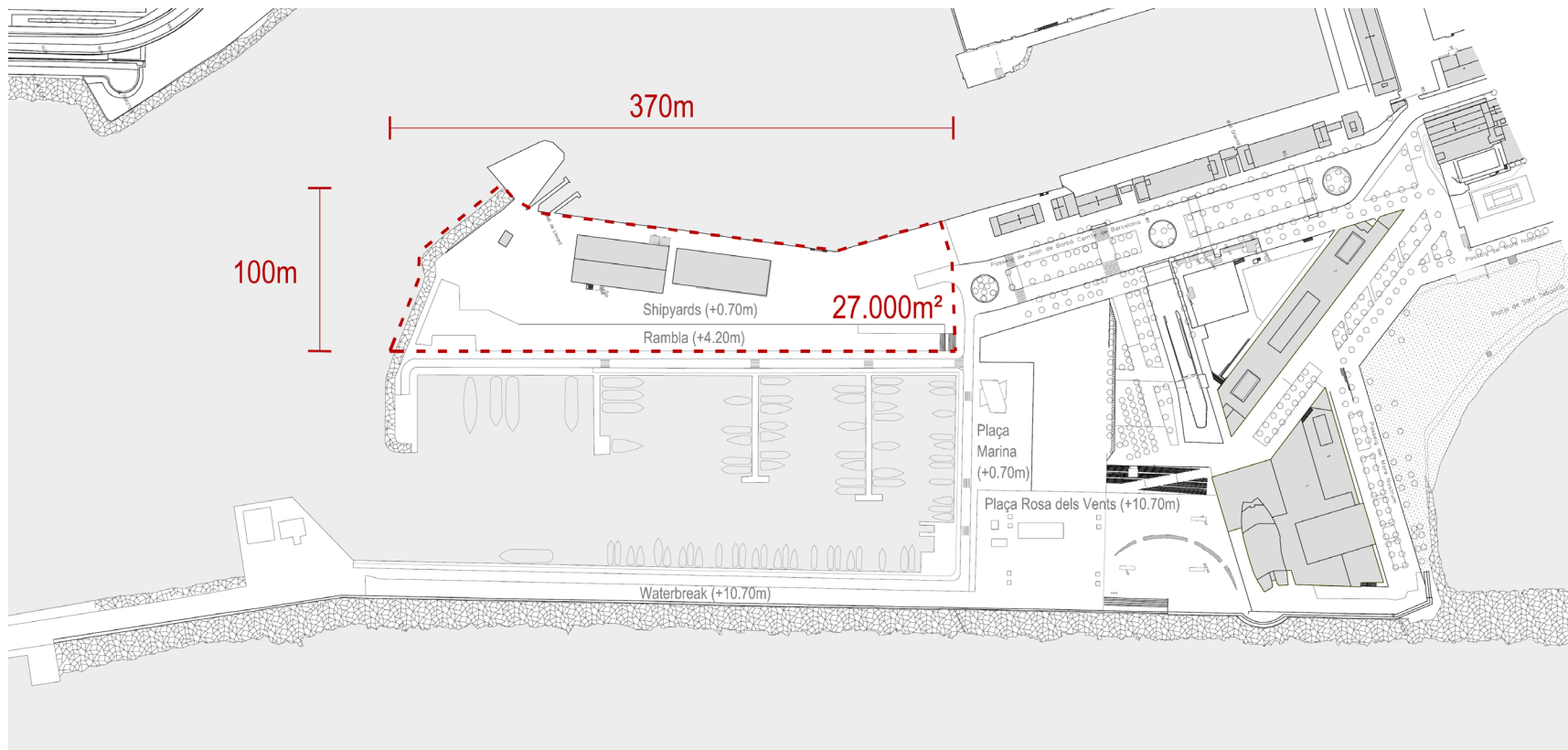
1. Students will be able to develop a studio culture that fosters enthusiasm, inquiry, respect, and dialogue with faculty and peers.
2. Students will be able to build a platform for cultural exchange.

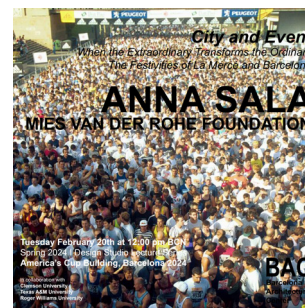
Design Studio Objectives

1. Students will be able document and analyze the specific tectonic cultural literacy of a place.
2. Students will be able to document and analyze the ethos of place and context and use them as informed generators to create architecture and urban design.
3. Students will be able to demonstrate the integration of History / Theory and Building Technology, specific to the location of study, into their design.

The main knowledge we expect the students to acquire along this studio are:

- Be able to establish a direct connection between analysis and proposal.
- Develop their own operative mapping tools for the recognition and modification of the site conditions, to be able to operate as architects in a complex urban context.
- Generate a consistent design process from a conceptual approach to its detailed spatial definition and implementation of a program.
- Transform ecological concepts into strategic design arguments.
- Work out all the process in a competition-based format: from the very beginning with the generation of ideas, to the result with the communication strategy.
- To tackle, use and integrate in the design processes such as: passive building, energy efficient building and sustainability





Design Studio Lecture Series | Spring 2024
America's Cup Building BCN 2024