PROJECT STATEMENT

Overview: New York City College of Technology plans on building a new academic building on the current site of the Klitgord Gymnasium. While the basic massing and programmatic uses of the building are set the development of details and choices of materials are still in the study stage. Working both in teams and as individuals we will explore possible solutions documenting our results in a set of Design Development Drawings.

Design Development: Design Development is the second phase of an architectural project where the building systems and materials are studied to determine how the building is to be built. During this phase our focus is on testing different design solutions for the construction and assembly of the building. This is followed by the Construction Document phase during which the construction methods and details of the building are finalized.

Building Program: The building will be comprised of three masses as follows:
- A three (3) story single atrium space located on the corner that will serve as a main public space and entry to the building.
- A (2) two story long span Multiuse Gymnasium/Auditorium space located along Tillary Street toward Flatbush avenue
- A (6) story academic building located along Jay street that will house classroom and laboratory spaces.

Structure: Most of the structural decisions for the building have been set. A Column location grid for all three spaces have been developed. How this will integrate with the architectural elements of the building is still to be studied.

Materials: There will be a mix of three different building systems as follows:
- Atrium Space - will consist of a Glass Curtain Wall System
- Gymnasium/Auditorium Space - will consist of a Masonry wall system
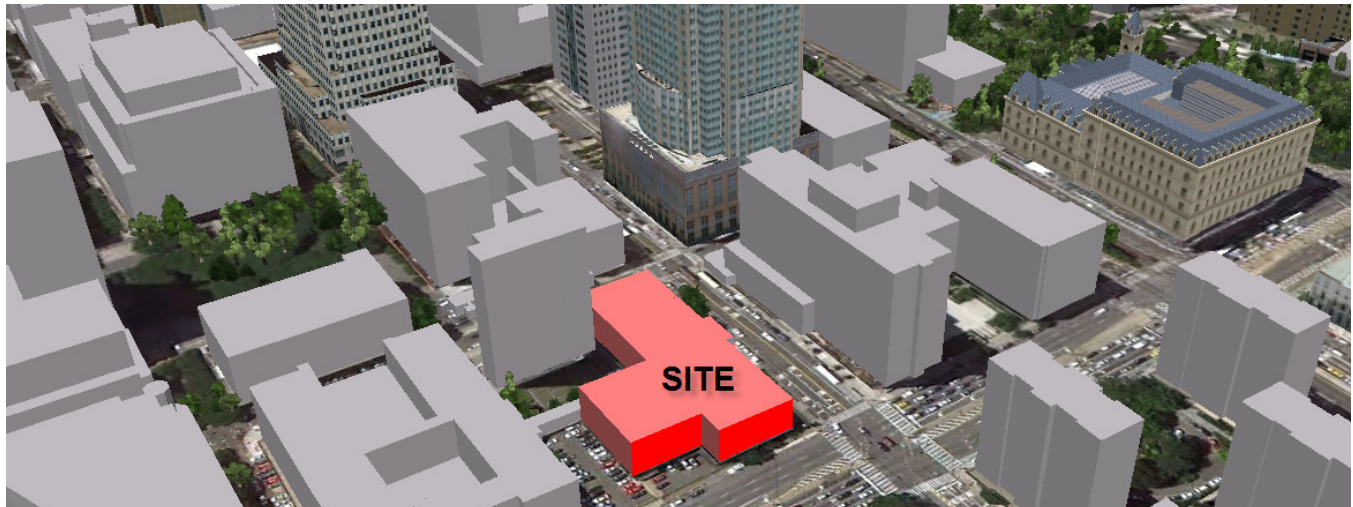- Academic Building - will consist of a Pre-cast Concrete panel system

Research Case Studies: Teams will complete case studies to evaluate different solutions and will develop a set of Design Development Drawings detailing their final decisions.

Submissions: Completed submissions will include but not be limited to the following:
Drawings, Case Studies & Models. These shall illustrate building plans, reflected ceiling plans, building sections, exterior elevations, interior elevations, wall sections, details, and schedules.

Poster Session: As part of a learning community each team will produce a 36 x 48 poster describing their semesters experience and displaying their work. and animation The class will be participating in the Learning Communities Poster The poster will be due around mid-semester. In addition each student will produce an animation of their work.

ARIAL VIEW & SITE PLAN

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CLASS STRUCTURE

Overview: The end product of the course will be a combination of both individual and group work. Each team will be required to keep a log documenting their semesters work. This project log will include copies of all case studies, design studies, progress drawings and the final set of documents.

Planning: Each team will be responsible for identifying tasks and assigning these to team members. Division of work is to be reviewed and approved by the professor.

Competencies: Each member of the team will need to demonstrate skills in the following areas:
- **Planning**: The ability to set priorities, allocate assignments & meet deadlines.
- **Research**: The ability to research and present a fully developed case study
- **Presentation**: To clearly present the development of your building through case studies, drawings, oral and written presentations.
- **Hand Drawing**: To delineate drawing information using hand techniques.
- **Computer Drawing**: To complete a set of coordinated project drawings.

Teams: During the semester students will complete research projects and present case studies. Team members in different groups may work together to research topics for the purpose of the development of case studies.

**Team Binder
& Website**: The team will need to submit a completed binder by the end of the semester. This binder must be available for review throughout the semester at every class. It is recommended that each student keep a duplicate copy for themselves.

The binder should contain the following as a minimum:
- Class Documents: The project description and other relevant documents.
- Handouts: Handouts and other materials that helped the team understand the use of hand or computer technology that were either provided by the professor or developed as a handout by the team for sharing with the class.
- Research Notes: Created during the Case Study and Research Process.
- Case Studies:
- Hand Drawings:
- Computer Drawing:
- Team Glossary of Terms: This would include two basic categories Architectural Terms and Glossary items related to the tools or computer software. Teams are required to add to this listing during each class.

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Grading: While much of the work completed during the semester will feed back and forth between the 1290 CADD Section and the 1200 Hand Drawing section grades in the two courses will be calculated separately.

The following outline will help you understand the grading process.

ARCH 1290 Architectural CADD • **Percentage**

• Individual Computer Based Drawings	• 60 %
• Individual Project Animation for Poster Presentation	• 10 %
• Individual Website & Participation	• 10 %
• Team Poster & Presentation	• 20 %

ARCH 1200 Architectural Drawing II • **Percentage**

• Individual Hand Based Drawings	• 40 %
• Individual Case Studies, Research & Presentations	• 30 %
• Team Case Studies, Research & Presentations	• 20 %
• Team Website & Participation	• 10 %

Assignment Sheets: Assignment sheets giving more details will be provided throughout the semester.

Website Portal: Websites will be hosted at **http://openlab.citytech.cuny.edu/**
Websites will be used as a means of communication, discussion and self expression.

Course Website: A course website will be maintained and will be the main online method of communication during the semester. Students are responsible for checking the website on a daily basis for updates, assignment details and other communications.

Individual Websites: Each individual will be required to maintain their own website during the semester. Each website will be visible by all other members of the course. Each student is required to make entries on and update their site each week.

Team Websites: Each team will be required to maintain their own website during the semester. Each website will be visible by all other teams during the course. Each team is required to make entries on and update their team sites each week.

Lesson Plans | IP 1.0