ID 492: Design Studio IV: INTEGRATION
SPRING 2016

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OFFICE HOURS: Mon / Wed (10 am-11am) and (3 pm-4pm) Tues / Thurs (12-1pm)
Other special meetings as required and arranged with Instructor: TBA.
CLASS MEETING TIME: Monday and Wednesday (11am – 3:00pm) Room 133 Quigley Hall.

COURSE DESCRIPTION: (4 credit hours)
This is the second course in a two semester sequence. In this course, the student will provide a design solution or multiple solutions based on the body of research and objectives developed in the prior course, ID 451: Programming II. Completion of a large scale interior design project utilizing an existing building integrating learned skills from earlier coursework is the main focus, and the emphasis is upon design process from schematic design through design development and presentation of a formal solution. The course also employs a series of verbal presentations and physical documentation of the design solution. Each student selects a project typology and develops that particular chosen typology throughout the course. Prerequisite: ID 451, ID 481, ID 491 and a major in interior design or consent of the school of architecture director.

This course is not for Graduate credit.

PREREQUISITE TO: None
LAB: Four Hours

COURSE OBJECTIVES:
Upon completion of this course, the student will be able to:

1) Generate a satisfactory schematic design solution or solutions to the project problem statement based on the program document created in ID 451: Programming II.

2) Develop the preliminary design based on the physical limitations of the project building structure. This will include spatial understanding, relationship to existing structural conditions, exterior wall systems and knowledge of the impact and relevance of environmental conditions. All way finding and flow patterns within the structure will be reinforced.

3) Generate a set of presentation materials for the project design solution and give verbal presentations supporting the work in place. Become familiar with several types of presentation materials and methods. (i.e. power point presentations and computer generated three dimensional imaging solutions)

4) Develop a final three dimensional model of the design solution as well as study models of the progressing design to develop an understanding of the vertical relationships and cohesiveness of the programmed functions.

5) Demonstrate competent use of basic design elements, color principles, theories and systems as well as theories of design and design composition; theories of human behavior in interior environments and art, architecture and furnishing and materiality.

6) Show competent use of 2-d and 3-d design elements and principles and the application of appropriate color use.
7) Demonstrate sketching capabilities in the development of the design solution and maintain a “log book” of process and research documentation carried through from the prior course; ID 451: Programming II.

8) Show the integration of the programmed design elements and the systems of the existing building. Show the various building systems, materials and products utilized in the design solution. An understanding of sustainable resources, LEEDS impacts and financial considerations apply to the final solution.

9) Demonstrate an understanding of compartmentalization, movement, fire detection and suppression, appropriate application of codes, regulations and standards, barrier free design concepts, universal design and ergonomic and human factors.

10) Have an understanding, as demonstrated in the design solution, of the impact the design has on the health and welfare of indoor air quality, noise, and lighting.

TEXTBOOKS
Supplementary handouts aligned with each of the topics will be supplied to the students and other readings shall be assigned to accompany the specific problems and concepts.

RECOMMENDED TEXTBOOKS:

TOPICAL OUTLINE:

| I. PROGRAMMING (review and supplement to Program prepared in ID 451) | 5% |
| A. Project Goals |  |
| B. Review of Program requirements |  |
| C. Further breakdown of psychological impacts |  |

| II. DESIGN CONCEPT DEVELOPMENT and presentation | 5% |

| III. SCHEMATIC DESIGN | 25% |
| A. Review of existing building conditions and Impact of systems on the design parameters |  |
| B. Review of space requirements, adjacencies and zone diagrams (updated program document) |  |
| C. Code analysis and review (appendix of program) |  |
| D. Blocking and vertical stacking diagram creation for a minimum of two (2) completely different design concepts for two (2) different existing buildings. A selection will be made, editing to one (1) building and two (2) design solutions within the one selected building. |  |
| E. Circulation and “way finding” studies as well as development of building core and vertical connectivity. |  |
F. Volumetric design in sketch form, computer and 3d modeling.
G. Daylighting analysis (solar impacts and infiltration.)
H. Sequencing of spaces and spatial quality considerations. This Analysis accomplished in CUBIC FEET.
I. Orientation of programmed elements and research into the individual thematic elements based on individual program document.
J. Acoustical considerations and planning.
K. Other HVAC, Plumbing, fire protection, security analysis and implementation.
L. Concept sketches and 3d study modeling. (computer and physical)
M. Exploration of possible solutions with regard to FORM, PLANNING MODULE, SPATIAL CONSIDERATIONS and preliminary material selections according to individual project statements and problem goals.

IV. DESIGN DEVELOPMENT 20%
A. Plan development
   1. Floor plans (ground floor inclusive of site conditions)
   2. Building sections (longitudinal and transverse)
   3. Reflected ceilings and materials for same.
   4. Finish plans and review of locations for selected finishes and materials.
   5. Interior details as related to existing and new conditions and design parameters.
   6. HVAC, plumbing, electrical, sprinkler, and security integration. In essence, systems within the program.

V. PRELIMINARY DESIGN PRESENTATION 5%

VI. FINAL DESIGN PRESENTATION 35%
A. Physical presentation (minimum requirements)
   1. All floor plans required by the design solution
   2. Sections as required by the design solution
   3. Material selections and display as required by the design solution.
   4. Layout of furnishings and fixtures as defined by the design solution.
   5. Flow pattern and wayfinding diagrams as defined by the design solution.
   6. Interior perspectives as required by the design solution.
   7. Interior elevations and detailing to reinforce the design solution.
   8. Blocking and stacking diagrams to explain program relationships.
   9. Coordinated graphics for program document created in ID 451; Programming II (fall semester) and problem solution.
   10. All color palettes and selected color scheme defined for the design solution.
   11. Design concept statement and all code blocks.
   12. Physical model of the design solution (partial or full)

VII: FINAL VERBAL DESIGN PRESENTATION and JURIED ANALYSIS 5%

100%
SUMMARY of assigned %’s based on topical outline:
I: Programming Completion  5%
II: Design Concept development 5%
III: Schematic Design   25%
IV: Design development  20%
V: Preliminary design presentation 5%
VI: Final design presentation work 35%
VII: Final Verbal design presentation 5%

100%

GRADES:
GENERAL DISCUSSION OF GRADING EXPECTATIONS:
We all assign meanings to grades. It is my intention in this discussion of grades throughout the semester to better have you understand my expectations at each grade checkpoint.

A GRADE:
An A indicates extraordinary, exceptional responses at every level within the project framework. It many times yields efforts above what is asked of the problem. The amount of time contributed to an individual project does not always yield the grade of A. This can be frustrating because time does not always translate to success, although dedication to development of a particular project will in the end teach many things about development and approach. A grade of “A” does suggest that you have accomplished SUPERIOR work in many aspects of the problem.

B GRADE:
The grade of B does define the work that you have done as SOLID. It is above average and the work produced has been accomplished in a coherent and satisfactory way. As defined in the grade of A, just being in studio does not always yield a B grade. A grade of B does indicate that you are going about your work in a way which DOES indeed differentiate yours from AVERAGE. There can be interpreted “gray” areas, but the overall B work is meeting expectations, yet lacks something in aspects of the overall design solution or presentation.

C GRADE:
A “C” grade means that you have met BASIC expectations of the projects. You have participated. You have accomplished the work in a somewhat acceptable manner. Yet, there is definitely missing information in the design data, presentation data, overall solution, process, or alignment with quality levels defined for work produced. This again may feel to be a gray area for the student, but there will be step by step evaluation of the work in progress, and a suggestion of areas for improvement. Sadly, just doing a project or working hard on something does not always guarantee that the project will be a total success. That is a difficult thing to understand in terms of the beginning design student. There may be some components of a particular project that are correct and others that are incorrect. The C grade assignment has many of the factors of inconsistency that create an unclear solution.

D or F GRADE:
Both of these grades demonstrate a VERY SERIOUS LACK OF UNDERSTANDING, COMPLETION, or SUCCESS in solution. The student that accomplishes for a particular problem one of these grades many times has not adhered to a set of required final requirements, or there is a complete disconnect from design to presentation. There may be a lack of understanding in expectation or in development and there also could be an associated missed deadline for the work or a lack of attention to completion in the work. If the student senses a lack of understanding to begin a problem or develop a problem, set a time with me to discuss any concerns you may have.
ATTENDANCE:
Attendance is expected for ALL class sessions. Each student will be allowed a maximum of three (3) unexcused absences. There shall be a 1/3 letter grade drop for each unexcused absence in excess of three (3) class sessions missed. It is the student’s responsibility to notify the instructor via email of excused absences (example: death in the family, authorized university travel).

NON COMPLIANCE:
Work submitted should follow the given guideline as specified in each assignment. Failing to do so will result in an F.

SPECIAL CONCERNS and ACADEMIC EXPECTATIONS:
If there is any concern that you have pertaining to your performance in this class, please inform me so that we can discuss your concerns. Schedule a time to meet via email. Unless students are assigned to work together for a specific project and to submit work as a team, it is expected that each student is responsible for his/her own work. You should perform the work yourself. If you have technical questions regarding any issue in this course, computer files, drawings, etc. do not hesitate to ask in order to avoid non compliance with assignment requirements and schedules.

STUDENT CONDUCT CODE:
http://www.siuc.edu/~policies/conduct.html
Read this for clarification and procedure related to your rights, obligation and behavior. Furthermore this includes being respectful of your studio-mates, their work, their property, and the property provided to your via the School of Architecture.

STUDENT LIFE POLICIES:
There is available to all students online, an informative guidebook defining student policies and procedures as well as information related to counseling services and other support services provided to the student body. Please review this document at your convenience and refer to it when situations or questions arise that need further clarification and explanation.
http://www.studentlife.siu.edu/policies.html

FINAL EXAMINATION SCHEDULE:
Please Refer to the online schedule for the final examination schedule. In the design studio, many times we have final projects and not written finals, but we will meet during our prescribed finals time for conclusion of the course and to ready the studio space for the upcoming semester, turn in keys and other miscellaneous items. The website is;
http://registrar.siu.edu/calendars/finalexam.html

EMERGENCY PROCEDURES:
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT’S website; http://www.bert.siu.edu The Department of Safety’s website, http://www.dps.siu.edu (disaster drop down) and in the Emergency response Guideline pamphlet. Know how to respond to each Emergency.

END: ID 492: DESIGN IV: INTEGRATION: Spring 2016: Smith