Stony Brook University
Sustainability Studies Program, Fall 2013
Syllabus: SBC 117 Design Drawing

M/W 11:00-1:00 PM • Studio 370 - 3rd Floor Chemistry Building
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Visiting Professor of Environmental Art, Architecture & Design / Stony Brook University Melville Library / West Entrance / Room W0513 • Office Hours: M/W 1:00-2:00 PM

**Course Description:**

This introductory course exposes the student to the fundamental theories and practices employed in visually representing design concepts from observational through technical and speculative drawing. The course content introduces the student to contour drawing, rendering, orthographic projection, and pictorial drawing. Project work engages the student in the application of the above-mentioned drawing techniques and develops skills through the solution of student tailored problems.

The course makes observations of the visual structure of the natural world as well as practices employed in visually representing design concepts through speculative and technical drawing. Drawing upon the work of Leonardo da Vinci for inspiration the course guides students through a variety of exercises that develop visual acuity and technical skill.

**Course Prerequisites:** None

**Course Outcomes:**

1. Develop an understanding of works of art and their practitioners through an examination of the works in the historical and cultural context in which the art was or is created.
2. Understand the materials, forms, and/or styles of art through study of arts theories and the works themselves.
3. Understand ideas, materials, technical skills, and forms of art in order to express oneself creatively through an artistic medium.
4. Develop tools of aesthetic discourse through contact with works of art — as well as through writings on art — related to its critical understanding, cultural placement, and appreciation.
5. Demonstrate an ability to apply technical tools and knowledge to practical systems and problem solving.
6. Design, understand, build, or analyze selected aspects of the human-made world.

**Evaluation:**

Students will be evaluated upon the completion of all assigned projects and the submission of a final portfolio. Grading will take both technical mastery and application of learned skill into account. Works critiqued after the due date are reduced 2 points for each class meeting until they are submitted. Students are expected to attend all class meetings. Grades are affected by attendance as follows: there are only three absences allowed during the course of the semester, four or more absences results in the equivalent number of points being subtracted from your final average. Arriving 10 minutes or more late to class constitutes one absence. Leaving a class early by 30 minutes or more twice is equivalent to one absence. The student is responsible for obtaining all material covered during missed sessions.

There are no excused absences.

Projects:  Unit 1 Geometry & Value: Value Scale / Value Cube / Golden Rectangle Fibonacci / Geometric Tessellation
Unit II Observing Nature: Eye Contour / Eye Hatching / Eye Stipple / Self Portrait
Unit III Speculation and Design: Potion Orthographic & Section / Potion Isometric / Widget Description / Precious Rendering
Unit IV Built Environment: Dwelling Unit Proposal (Floor Plan Elevation, Interior elevations & section, 1 point perspective)

Students are also required to complete an independent series of twelve studies with notes.

**Course Objectives:**

- Understand the importance of a visual language.
- Describe the size texture and function of an object through graphic means.
- Visualize and create viable drawings for the description and construction of an invented object.
- Comprehend the symbols and diagrams utilized in basic drafting.
Course Requirements:

Text

Materials
Architect’s scale, 10” - 30/60/90 triangle, 11x17 8x8 cross section graph paper, technical Pencil, white eraser, eraser shield, draftsman’s compass, circle template, 6H-4H-2H-HB-2B-4B-6B pencils, 7”x10” black cover – spiral bound sketch book, double sided tape.

Cell Phone, Electronic Devices and Other Distractions: Use of cell phones, blackberries, laptop computers, iPods, MP3 players, and other audio and telecommunications devices is strictly prohibited during class. The only exceptions are through permission granted by the instructor for special purposes.

Classroom Policy: Students are expected to follow the Stony Brook Code of Conduct while in the classroom. If you are not familiar with the Code you can find it at: http://studentaffairs.stonybrook.edu/ucs/conduct.shtml
Poor class behavior or violations to the Code of Conduct will lead to removal from the class, possible withdrawal, or suspension. While food is generally not permitted in class, light snacks are OK. Non-alcoholic beverages are OK. Please be mindful of litter removal and recycling of items you may discard from class.

DISABILITY SUPPORT SERVICES (DSS) STATEMENT:
If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: http://www.stonybrook.edu/ehs/fire/disabilities

ACADEMIC INTEGRITY STATEMENT:
Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

CRITICAL INCIDENT MANAGEMENT:
Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students’ ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.

Student Goals: students are urged to follow a schedule of work that stays current with the schedule of readings, assignments and study so that the end result is one in which each studen