ARC 381: Site Planning Syllabus

FACULTY
Thad Heckman, Architect, Senior Instructor

OFFICE/HOURS
Room 401 - Quigley
Tuesday/Thursday: 9:50 a.m. to 11:50 a.m.
Tuesday/Thursday: 1:00 p.m. to 1:50 p.m. or by appointment

TELEPHONE/FAX
Office: 453-1944, School of Architecture: 453-3734 / FAX 453-1129

E-MAIL
thadhkmn@siu.edu or thad2@frontier.com (preferred)

COURSE DESCRIPTION
The fundamentals of site planning with reference to the historical, environmental, climatic, technologic, and legal aspects in site design. Introduction to the preparations for a site design including an introduction to the use of surveying equipment with an emphasis on the principles of sustainable design will be discussed. Prerequisite: MATH 140, ARC 242 and major in Architectural Studies or consent of Department Chair and the Instructor.

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

1. To develop an understanding of the historical references and sustainable design in site planning.
2. To develop an understanding of the environmental aspects of site design including inventory, geology, vegetation, hydrology, and climate.
3. To become familiar with the fundamentals and terminology associated with topography, grading, and water in site planning.
4. To develop an understanding of the impact development has on the environment.
5. Learn to read and interpret legal descriptions of land and develop an understanding of the zoning process.
6. Become acquainted with several types of surveying equipment and use such equipment in the field.
7. Complete a site design project comprising a site analysis, site plan, and site details.
8. To develop an understanding of the principles of sustainable design and their application in site design.

TEXTBOOKS
A. Required:

B.  **Suggested:**


C.  **Optional / Recommended:**


**EQUIPMENT / SUPPLIES / OTHER**

A.  A 3-Ring Binder is highly recommended, with appropriate dividers to provide organization for the materials related to this course, including class notes/handouts, existing conditions, field notes and sketches and photographs. A flash drive and digital cameras are also recommended.

B.  Drawing, Sketching, Drafting, or CAD supplies may be needed as site assignments develop.

**EXPECTATIONS**

A.  Students are expected to actively participate in each class session by asking and answering questions, exploring solutions by discussing notes, concepts, and ideas in an informal manner. Students are expected to turn in all projects on time. (See Grading Policy / Evaluation below).

B.  Attendance is a very important responsibility and students are expected to attend all class sessions. Absences will negatively affect your grade. After all other work is evaluated; unexcused  absence will result in a grade reduction. In a professional office/work situation, your clients and staff depend on you being available, your active participation, and the quality of your work. Typically, excellent attendance & work = excellent pay (grade); Erratic attendance & work - low pay (grade) OR Fired/ (failing grade).
C. Student Ethics & Conduct:

Unless work is assigned as a team, each student shall do their own work. Please review Section II of the Student Conduct Code in the SIU UNDERGRADUATE CATALOG, Specifically those portions related to the University policy regarding Acts of Academic Dishonesty and definition of "plagiarism".

D. Special Concerns: If there is any problem or concern that you have which might impact your performance in the class, please inform the instructor as soon as possible.

COURSEWORK

A. Class Format - Scheduled for 1 hr. Lecture & 1-2 hours Lab per week (as needed - see below).

B. Classroom & Labs - NO SMOKING, EATING, OR DRINKING, HEADPHONES OR CELL PHONES will be allowed in any classroom or laboratory at anytime, including evenings without Instructor’s permission. Each student is to keep CAD stations or drafting boards clean using their own supply of desktop cleaner. Music players, radios, headsets, and similar equipment are not to be used during formal classroom or laboratory time.

C. Reading assignments will be made from the required texts. Additional reading and research assignments could be made from the recommended texts or other manuals or publications, and sample drawings which will be made available "on reserve" in the Library, Room 102.

D. Computer Lab - Those students desiring to use AutoCad, Revit or other software to produce graphic documents must have prior approval to be able to use the Computer Lab in Quigley 106. You will be required to sign-up for use of the Quigley 106 CAD lab.

E. Along with the drawing assignments & vignettes, a Mid-Term and FINAL exam, there will be unannounced quizzes. All exam & quiz questions will be taken from the lectures, assigned reading, and information related to the assigned projects. However, much of this coursework requires you to apply concepts and therefore requires careful study – mere memorization will probably not be very helpful.

EVALUATION / GRADING POLICY

A. Projects are due on the hour and date specified for submittal or presentation. Late projects will result in a full letter grade reduction for the first 24 hours late and an additional full grade reduction for each 24 hours thereafter, unless special circumstances have been approved by the instructor.

B. Student evaluation will be based on a combination of exam scores and the timely submission of assigned projects. Attendance and evaluation of notebooks will also be considered. Projects and exams will have the following relative values to be converted to the grading scale with the approximate point totals indicated below:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
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<tbody>
<tr>
<td>Vignettes</td>
<td>~ 150 pts</td>
</tr>
<tr>
<td>Mid-Term Exam</td>
<td>100 pts</td>
</tr>
<tr>
<td>Quizzes/Assignments (several)</td>
<td>~100 pts</td>
</tr>
<tr>
<td>Final Exam (Wednesday, December 9th, 12:00 p.m. to 1:45 p.m.)</td>
<td>150 pts</td>
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</tbody>
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APPROXIMATE TOTAL: 500 pts
Bonus Assignments (if applicable): value of points to be determined

C. Grading Scale:

A = 90-100,  B = 80-89,  C = 70-79,  D = 60-69,  F = 0-59

D. Notes:

1. The lab component of this course is used on an interim basis and is invoked by the instructor according to class activities. All students are required to keep the normally scheduled lab time slot open on their calendar. Lab time usage will be announced in an ongoing fashion throughout the course.

Medical/Extenuating Circumstance Considerations:

If you think you need an accommodation for a disability, please let me know at your earliest convenience. Some aspects of this course, the assignments, the in-class activities, and the way the course is usually taught may be modified to facilitate your participation and progress. As soon as you make me aware of your needs, we can work with Disability Support Services (DSS) to help us determine appropriate academic accommodations. DSS (618,453.5738; http://disabilityservices.siu.edu/) typically recommends accommodations through a verification form provided to the student. Any information you provide is private and confidential and will be treated as such.

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 (attached). Emergency response information is available on posters in buildings on campus, available on the BERT’s website at www.bert.siu.edu, Department of Public Safety’s website www.dps.siu.edu (disaster drop down) and in the Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency. Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

SPC’s - NAAB Accreditation:

B.2 Site Design: Ability to respond to site characteristics, including urban context and developmental patterning, historical fabric, soil, topography, ecology, climate, and building orientation, in the development of a project design.

B.4 Technical Documentation: Ability to make technically clear drawings, prepare outline specifications, and construct models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.

Notes and Discussion:
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 in Quigley Hall and elsewhere on campus, available on the BERT’s website at www.bert.siu.edu, Department of Public Safety’s website www.dps.siu.edu (disaster drop down) and in the Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

If an evacuation of Quigley Hall is required during an emergency, ALL School of Architecture students, faculty, and staff (from all three programs) are to gather ASAP after exiting in the grassed area east of the Quigley Courtyard and covered walkway area to determine if there are people unaccounted for at that particular time. There are five SoA faculty/staff members who are part of the SIUC Quigley Hall BERT Team (Brazley, Frisch, Kidd, White, and Wojnarowski) and will be facilitating the necessary emergency procedures. There are BERT Posters located in numerous public areas throughout Quigley with emergency phone numbers.

Do not hesitate to call 911 if you have any sense of emergency and there isn’t a faculty or staff person available to immediately assist – 911 Staff are highly qualified and prepared professionals to make a response decision and to give you advice over the phone.

**QUIGLEY HALL EMERGENCY RESPONSE MEETING AREAS**

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>AREA</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>Food and Nutrition</td>
<td>1</td>
<td>Woody Hall grassed area West of Quigley Main Entry</td>
</tr>
<tr>
<td>Child Development Laboratory</td>
<td>2</td>
<td>North Side Quigley beyond Fenced Area</td>
</tr>
<tr>
<td>Social Work</td>
<td>3</td>
<td>Grassed Area NE of Loading Dock and Auditorium</td>
</tr>
<tr>
<td><strong>School of Architecture</strong></td>
<td><strong>4</strong></td>
<td><strong>Grassed Area East of Quigley Patio and the Covered Walkway</strong></td>
</tr>
<tr>
<td>College of Education - Pre-School</td>
<td>5</td>
<td>Grassed Walkways Area beyond South Entry</td>
</tr>
<tr>
<td>General Classrooms &amp; Auditorium</td>
<td>1, 3, &amp; 4</td>
<td>Please instruct those outside faculty, students, and visitors during an emergency</td>
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</tbody>
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