Course Syllabus
MSRE 6130: Site Planning, Building Design and Construction Fundamentals

 Thursdays 5:30pm-8:30pm
3 Credit Hours
Professor Deborah Ryan, RLA

DESCRIPTION
This course will introduce essential principles of site planning, design and construction. Special emphasis will be placed on programming and sustainability issues for different project types. The nature and characteristics of construction materials, equipment, and systems used in modern buildings will be presented and how they affect function and feasibility.

PRE- or Co-REQUISITES
This course is part of the MSRE program’s core curriculum. Students without an appropriate background in economics and financial accounting will need to complete MSRE 5110 and MSRE 5131 prior to enrollment in this course.

OBJECTIVES
- To understand who the key players are in the site planning and design process
- To understand the entitlement process in Charlotte as a typical model for project approval
- To consider the role of public input in project design
- To introduce strategic and regulatory public plans and understand their influence on site planning
- To understand due diligence and complete a thorough site analysis
- To become familiar with sources for site data
- To introduce standard site measurement techniques relative to area, topography and density
- To introduce design fundamentals, the components of a typical site plan and the site planning process
- To become familiar with the relationship between site planning and building design
- To understand how density affects site planning
- To explore the role of public streets and other urban infrastructure in site planning
- To become familiar with green infrastructure and open space planning
• To be introduced to contemporary theories that shape site planning and landscape architecture
• To explore best practices in sustainable design and development practices
• To become familiar with the relative cost implications of site planning alternatives

METHOD
Class sessions will include both lecture and case study presentations with substantial participation and discussion expected from the students. The lecture topics will reflect the assigned readings and may be discussed in class. To maximize the effectiveness of the lectures, students are required to complete the readings before the material is presented in class. Students are responsible for knowing 1) the material presented and discussed in class, and 2) the material in the assigned readings.

Each class will include a variety of learning exercises that may include a short quiz, a film, a lecture, small group discussions and a review of class projects.

EVALUATION & GRADING
Evaluation will be based on the completion of class assignments, reading quizzes, and class participation per the following:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Entitlement Project</td>
<td>10%</td>
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<tr>
<td>Site Analysis Project</td>
<td>20%</td>
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<tr>
<td>Site Planning Project (in three phases)</td>
<td>30%</td>
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<tr>
<td>Final Project Report</td>
<td>10%</td>
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<tr>
<td>Class Participation/ Homework Assignments/ Quizzes</td>
<td>30%</td>
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Students should be active, self-directed, involved and questioning. They should be responsible for their own learning through reading, writing, listening, thinking, discussion, introspection and analysis. Consequently, the class participation grade is not based on attentive attendance but rather vocal participation.

Grading will be based on attendance, participation, performance and outcome. Grades will conform to the university grading scale for graduate students and will be based on progress as well as product. The following grading scales will apply:

• A Outstanding — meets or exceeds stated requirements of the course; exhibits significant improvement, development, and/or intellectual growth over the course of the term; exhibits research efforts from which both the instructor and students may learn; all work turned in on time and presented in a professional manner.
• B Good — meets the stated requirements of the course; exhibits good improvement, development, and/or intellectual growth over the course of the term; exhibits a good measure for student emulation; and all work is turned in on time and well presented.
• C Marginal — fails to meet most of the requirements of the course and the work is of a caliber marginally acceptable at the graduate level.
• U Unsatisfactory — fails to meet the requirements of the course (the work is significantly incomplete, late, and/or of a caliber unacceptable at the graduate level).
• F Fail

Attendance in class is required. More than ONE unexcused absence may result in failure of the course. Late work will be lowered one full letter grade for each weekday that it is late.

All students are required to have knowledge of and observe all regulations pertaining to campus life and student behavior, including the UNC Charlotte Code of Student Academic Integrity and the UNC Charlotte Code of Student Responsibility, as found in the UNCC Academic Integrity Code Handbook. All examinations, tests, projects, presentations, homework, and other academic tasks are considered to be each student’s original work. Violation of the code in any manner will result in failure of the course.

DIVERSITY:
The Belk College of Business strives to create an inclusive academic climate in which the dignity of all individuals is respected and maintained. Therefore, we celebrate diversity that includes, but is not limited to ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status.

CLASS RULES:
• Students must check their UNCC email every 24 hours and respond to any correspondence from classmates, or the course instructor within that same time period.
• Students must arrive to class on time. They are welcome to bring food and drink.
• Students must submit all assignments via the course Moodle site before 5:30pm on the day it is due, AND bring a hard copy at the beginning of class the day it is due. Assignments that are turned in after class is over, even if on the due date, will be considered late.

TEXT: