

THREE RIVERS COMMUNITY COLLEGE

SITE ANALYSIS ARC K241/L

Spring Semester 2015, Tuesday 3 - 4:40 PM & Thursday 2:30 - 5:15 PM

Professor: Professor Mark Comeau, (885-2387), email MComeau@trcc.commnet.edu

Performance Measures: Vignette Projects 50% Unit Exercises 25% Final Project 25%

Course Objectives:

Site Analysis introduces Architectural Design, Construction Management and Sustainable Facilities and Landscape Ecology students to an overview inventory of the systems & elements which are encountered in the analysis of site conditions. The student will explore how each element operates and procedures to maintain or improve the quality of the site environment. Students develop a value system which fosters the concept of fitness to human purpose & specific site context through an ecological approach to design.

Instructional Method: Slide Lectures, Project-based Vignettes, Class Discussion, Lab Activities

Text: **Site Analysis, James A. LaGro Jr., (and Instructor Supplements)**
(Note: The course's weekly subjects follow the book's layout in sequential chapter order. Please read corresponding subject-chapter material prior to each class.)

<u>Unit 1</u>	Planning , Zoning & Ordinances Reading pp 95-106	<u>Unit 8</u>	Land Use , Planning (Form-based Design)
<u>Unit 2</u>	Contextual Elements , Natural/Cultural Reading pp 3-16, 106-113	<u>Unit 9</u>	Landform , Geomorphology Handouts
<u>Unit 3</u>	Design Factors , Historic/Functional (Storyboard Project)	<u>Unit 10</u>	Landform , Topography Handouts
<u>Unit 4</u>	Environment , Climatology Reading pp 67-86 (Unit Exercise)	<u>Unit 11</u>	Landform , Grading/Earthwork Handouts (Unit Exercise)
<u>Unit 5</u>	Environment , Hydrology Reading pp 87-94 (Unit Exercise)	<u>Unit 12</u>	Landscape , Design/Materials Reading pp181-184
<u>Unit 6</u>	Environment , Soils Reading pp 87-94 (Unit Exercise)	<u>Unit 13</u>	Utilities , Systems & Distribution Reading pp 44, 52, 152-168
<u>Unit 7</u>	Land Use , Mediums & Planning (Sanborn, GIS, POCD's)	<u>Unit 14</u>	FINAL SITE DESIGN PROJECT Evaluation/Selection/Develop
	Spring Break (No Classes in Session)		FINAL SITE DESIGN PROJECT Presentations

Course Notebook

Students will assemble a notebook, to be made up of handouts distributed at the beginning of each class. A 3" "Slant-ring" notebook with plastic sheet protectors is recommended – this will be a good resource for future reference.

Suggested Reading:

1. Site Planning, Kevin Lynch
2. Design With Nature, Ian McHarg
3. Form, Space & Order, F.D. Ching

STUDENT PERFORMANCE:

- Students are bound by the tenets of the TRCC Student Handbook. This includes conduct, performance, academic dishonesty, attendance, and other subjects contained therein.
- Attendance is mandatory and expected. Students shall conduct themselves collegially in the classroom/lab.
- Excused-from-absence status is granted by the Professor on a case by case and situational basis.
- Students who miss a test or submittal deadline have one week from the date for make up or submittal. In the case of non-compliance, test or project points may be reduced and/or adjusted at the Professor's discretion and may **not** be disputed.

EXPANDED COURSE OBJECTIVES:

Broad scope:

1. To develop an awareness and understanding of ecosystems (the relationship between organisms and their environment). To understand how a good environment supports purposeful behavior and makes a good fit with user actions.
2. To have an awareness of how civilizations develop their own unique interpretation of a-fit-attuned to the time, place, culture and technology of that civilization.
3. To stress the urgency of a comprehensive approach to the evaluation and protection of the environment. Current events (news articles, television, internet, etc), are used to dramatize the urgency of the issues and encourages life-long learning and commitment.
4. To understand the interrelationships between the professions of architecture, planning, civil engineering and landscape architecture.

Narrow scope:

5. Ability to identify sources of information and record inventory data.
6. Ability to interpret and analyze inventory data.
7. Ability to organize the analysis into summaries of opportunities and constraints for site development.
8. Ability to prepare site development criteria and guidelines.
9. Ability to prepare basic site design proposals that address the major site analysis factors outlined in this course.
10. To be able to select the appropriate biotic and abiotic materials to be used in site development.

The Resource Book

1. The course will provide reference handouts for each area of site analysis. Students will be required to develop his/her own resource notebook. This notebook must be submitted for review and approval at the end of the semester. No passing grade will be issued until this requirement has been completed.

SYLLABUS EPILOGUE:

Understanding human use as a part of a site's natural system without destroying the attributes which attract us to it may seem like a new idea but primitive and ancient cultures were far more successful at it than modern mankind, even with all of our technologies. This course will provide students with a background in the development of site analysis and the ability to conduct the process of inventory, analysis, and the preparation of development criteria and guidelines. The material is organized into two main areas of Site Analysis Inventory:

1. Natural Factors;
2. Cultural Factors.

This course will present a background and method of implementing Kevin Lynch's statement (Site Planning, 1962) that, "site planning is the art of arranging on the land and shaping the spaces between, an art linked to architecture and city planning ... making places that fit human purposes is the task of site planning".

The central focus of this course is a presentation of a rational basis for the process of land development and preservation. This process follows the order of inventory, analysis, judgment, and recommendations. The inventory is a recording of existing and extractable material descriptive of the study area. The analysis interprets the build-up of data affecting all parts of the study area. The aggregation of permissive and/or restrictive factors generates a profile of land potential. These are outlined as summaries of opportunities and constraints for site development. The recommendations coalesce these findings into a form suitable for implementation.

Note: This course syllabus for ARC K241/L is subject to change and adjustment at the Professor's discretion regarding content, dates, and other course-structural elements that do not affect stated expected student performance and/or learning outcomes and objectives.

ACADEMIC PERFORMANCE

Lecture Period:

Students shall respect the classroom environment. Professors invest valuable time in lecture preparation to make the course content organized, interesting, and understandable and to make the learning environment collegial. Unless specifically directed by the professor, students shall refrain from sending email and instant messages, or from engaging in other activities (reading non-course materials, engaging in private conversations and so on), that disrespect the classroom environment and learning conditions for others.

Access to the Internet can be a valuable aid to the classroom learning environment. Students are encouraged to use laptops, smart phones, and other devices in order to explore concepts related to course discussions and topics. Students are discouraged from using technology in ways that distract from the learning community (e.g. Facebook, texting, work for other classes, etc.) and if found doing so, will be asked to leave the classroom for the day and will not get credit for attendance that class period.

Assessment:

Assessment of your mastery of the Courses learning objectives is administered through quizzes, exams, and essays. These are announced with ample preparation time and sometimes a study guide. Upon absence from a class in which an assessment is given, it is the student's responsibility to request, coordinate and schedule, a makeup date and time with the professor. Assessments not made up within one week from when initially given will result a three point reduction from the score earned, per class period lapse.

Online Learning Portfolio:

All students are required to maintain an online learning portfolio in Digication that uses the college template, in as much as it is pertinent and supported by outcome products of this course. Through this electronic tool students will have the opportunity to monitor their own growth in college-wide learning. The student will keep his/her learning portfolio and may continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select and review random works to improve the college experience for all. Student work reviewed for assessment purposes will not include names and all student work will remain private and anonymous for college improvement purposes. Students will have the ability to integrate learning from the classroom, college, and life in general, which will provide additional learning opportunities. If desired, students will have the option to create multiple portfolios.

Integrity:

Any and all exams, papers or reports submitted by you and that bears your name is presumed to be your own original work that has not previously been submitted for credit in another course unless you obtain prior written approval to do so from your professor.

In all of your assignments, including homework or drafts of papers, you may use words or ideas written by other individuals in publications, web sites, or other sources but only with proper attribution. "Proper attribution" means that you have fully identified the original source and extent of your use of the words or ideas of others that you reproduce in your work for this course, usually in the form of a footnote or parenthesis.

As a general rule, if you are citing from a published source or from a web site and the quotation is short (up to a sentence or two), place it in quotation marks; if you employ a longer passage from a publication or web site, please indent it and use single spacing. In both cases, be sure to cite the original source in a footnote or in parentheses. (See http://www.plagiarism.org/plag_article_how_do_I_cite_sources.html for more information on citing.)

If you are uncertain about the expectations for completing an assignment or taking a test or examination, be sure to seek clarification from your professor beforehand.

Finally, you should keep in mind that as a member of the Three Rivers Community College community, you are expected to demonstrate integrity in all of your academic endeavors and will be evaluated on your own merits.

Be proud of your academic accomplishments and help to protect and promote academic integrity. The consequences of cheating and academic dishonesty may include a formal discipline file, possible loss of financial scholarship or employment opportunities, and denial of admission to a four year college.