

SITE ANALYSIS

ARC 2215/2216

Spring Semester 2004

Instructor: Mark A. Comeau, AIA (885-2387 Day); email MystArch@aol.com; www.geocities.com/profmarkcomeau
Grading: Quizzes (2) 15% • Mid-term & Final 15% each • Exercises 30% • Resource Book 10%

Course Objective: To introduce the Architectural Design Technology 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.

Method: Lectures, Slide Lectures, Class Discussion

Text: SITE ANALYSIS, James A. LaGro Jr.

Resource Analysis

Week 1 Context & Elements: Cultural/Natural
(1/27) *Reading: pp 3-16, 95-113*

Week 2 Climatology, Hydrology
(2/03) *Reading: pp 67-86*

Week 3 Soils, Flora
(2/10) *Reading: pp 87-94*

Land Use

Week 4 Historic Elements, Design Elements
(2/17) *Reading: pp 95-106*

Regulation

Week 5 Zoning, Codes & Ordinances
(2/24) *Reading: pp 95-106*

Week 6 Accessibility/Barrier-Free Design
(3/02) *Reading: pp 95-106*

Land Form

Week 7 Topography & Contours
(3/09) *Handouts [Out-of-class project]*

*Week 8, 3/15-19 Spring Break

Week 9 Grading & Earthwork
(3/23) *(Handouts)*

Circulation

Week 10 Access: Pedestrian & Vehicular
(3/30) *Reading: 155-174*

Infrastructures

Week 11 Access Planning
(4/06) *Reading: pp 51, 68, 102*

Week 12 Utility Services & Distribution
(4/13) *Reading: pp 44, 52, 152-168*

Week 13 Drainage & Waste Systems
(4/20) *Reading: pp 181-184*

Landscaping

Week 14 Design Concepts & Materials
(4/27) *Reading: pp 184-207*

Site Design Project

Week 15 Site: Evaluation/Selection/Development
(5/04) *Reading: pp 33-48*

Supplemental Readings
Reading: pp 117-141, pp 175-197

Week 16 Project Presentations
(5/11) *Critiques*

Suggested Reading:

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

COURSE REQUIREMENTS:

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.