

ARC 271: COMPUTERS IN ARCHITECTURE I

3 credits

Course Description: This course serves as an introduction to various electronic media employed within the practice of interior design and architecture. Creative and effective skills in the use of computers in interior design and architecture applications are consistently stressed. Restricted to major.

Course Goals and Objectives:

Upon completion of this course, the student will:

1. Discuss various computer applications in architecture & interior design.
2. Demonstrate an intermediate level of skill in the use of AutoCAD to complete architectural & interior design projects, including two- and three-dimensional representation.
3. Demonstrate an introductory level of skill in the use of Microsoft Office (MS Word, MS Excel, and MS PowerPoint) to complete architectural and interior design projects, presentations & support materials.
4. Demonstrate a foundational level of skill in use of a digital imaging manipulation application.
5. Demonstrate an introductory level of skill in an e-mail client program.
6. Demonstrate an introductory level of skill in computer design programs & an understanding of their application to architectural and interior design practice.
7. Discuss the legal and ethical implications & ramifications pertaining to the virtual design office.
8. Demonstrate creative usage of course's computer applications for integration into critical phases of architectural and interior design practice.
9. Use the internet to collect information relevant to architectural and interior design practice.

Student Performance Criteria:

A.3: Visual Communication Skills **A.4:** Technical Documentation

Topical Outline

Percentages of Time

I. Creative Computer Thinking Skills, Exploring Electronic Media	3%
II. CAD Applications	38%
III. Word Processing Applications	14%
IV. Spreadsheet Applications	10%
V. Multimedia Presentation Applications	7%
VI. Using e-mail and the Internet	4%
VII. HTML Programming	7%
VIII. Design Applications	7%
IX. The Virtual Office	7%
X. Operating Systems	3%

Textbooks:

Varies Per Project.

Offered: Fall semester

Faculty: White