IARC 492/592 ELECTRIC LIGHTING

Crn 23077/23084

Instructor: Jill Mulholland

18:00 - 20:50, Tuesday 206 Lawrence

Meeting format: lectures, presentations, discussions, presentations, design projects

Credit hours and grading:
Graded or P/NP  3 credits, 1 credit**

Course objectives:
To acquire skill in the design and integration of electric light sources and architectural space. There will be a series of design projects and related topical lectures. This will be a seminar format course requiring the active participation of all students in all areas. There will be exercises and presentations during the term. The final project will be a full scale, built, illuminated centerpiece for display at the IALD (International Association of Lighting Designers) awards dinner in May of 2011. Light source and materials provided courtesy of Cooper Lighting and the IALD. This project will be taken through a defined design process including: concept identification; development of lighting strategies; choice of materials, lamp integration, and aesthetics of light.

Course content/study vehicles:
- physics of light
- principles and effects of light sources
- color and light in the built environment
- relationship between light and space
- design projects
- photography, drawings, models
- readings

Text: THE ARCHITECTURE OF LIGHT: Architectural Lighting Design Concepts and Techniques by Sage Russell (will be on reserve)

Assigned readings from the books on reserve in the AAA Library. Manufacturers catalogues are available in the IARC Materials Room, the MRC and the Library.

** A 1-credit course will offered concurrently to fulfill the advanced technology elective requirement.