IARC 492/592 ELECTRIC LIGHTING

crn 13064/13073
instructor: Virginia Cartwright

meeting time and place:
18:00 - 19:20, Tuesday Thursday
tba Lawrence

meeting format:
seminar (lectures, discussions, presentations, design projects with reviews, work sessions)

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

course objectives:
The goal of the course is to develop skill in the design of the luminous environment using electric lighting, and in the design integration of electric light sources and architectural space. The vehicles for this will be 2 design projects, which students will work on in teams, and related topical lectures. This course will require the active participation of all students in lecture/discussions, readings and project presentations. Each of the two projects will be taken through a defined design process including: concept identification; development of lighting design strategies; lamp and luminaire specifications; calculations; and, representation.

course content/study vehicles:
- visual perception
- 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

texts/primary reading list:
Lighting for Interior Design, Innes
There will be 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 be offered concurrently to fulfill the advanced technology elective requirement. See ARCH 406/606 10376/10520