IARC 492/592 ELECTRIC LIGHTING

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 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:
Designing with Light, Jason Livingston
In addition, 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 architecture advanced technology elective requirement:
ARCH 406/606 Sp. Electric Lighting