DEPARTMENT OF INTERIOR ARCHITECTURE
School of Architecture + Environment
University of Oregon

IARC 492/592 ELECTRIC LIGHTING

CRN 13365/13057
instructor: Virginia Cartwright

meeting time and place:
18:15 - 19:45, Tuesday Thursday
Remote

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 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:
There will be assigned readings from chapters and articles
posted in Canvas. Manufacturers catalogues are typically
available in on line.

**A 1-credit course will be offered concurrently to fulfill the
Architecture Advanced Technology elective requirement:
ARCH 406/606 Sp. Electric Lighting