instructor
Ihab Elzeyadi, Ph.D., IES
associate professor of architecture
227 Lawrence Hall
ph. 346-3670
fax 346-3626
ihab@uoregon.edu

meetings:
meets weekly
Thursday, 10-1 PM
White Stag Bldg., PDX

CRN:
407: 16341
507: 16342

readings:
reading packet + req. book

credits:
4cr. hr

grading:
graded or P/N

format:
interactive building design & assessment seminar with illustrated lectures and a practicum of POE/Building-In-Use Evaluation for the OHSU Center for Health & Healing (CHH).

prerequisites:
Arch 4/591, Arch 4/592 or instructor's consent. Interested students should sign-up ASAP. Seminar space is limited.

course objectives:
this seminar explores design metrics behind the making of high performance buildings and their assessment and evaluation. The seminar will follow a practicum format engaging the students in actual evaluations projects of high performance buildings in Portland, OR.

assignments:
(1) In-depth comparative case study of the theory/design process of two projects.
(2) Survey of building evaluation metrics and protocols.
(3) POE/BIU practicum and weekly investigations in the OHSU, CHH.

Building-In-Use (BIU) Assessment and Post-Occupancy Evaluation (POE)

Much is known about buildings' production but less on the process of their conception or consumption. Every day innovations in building technologies and gadgets are achieved while ignoring the development of performative grounds that guide their applications. The objective of this seminar is to critically investigate the role of performance and evaluation in the design process of High Performance Buildings. It theoretically examines the relationship between technology and architecture throughout the design assessment and evaluation phases of a project.

The seminar focus this investigation on the post-occupancy-evaluation and building-in-use performance assessment of a LEED Platinum building in Portland OR, the OHSU Center for Health & Healing. The course is planned in three phases. The first phase explores design metrics of High Performance architectures. The second phase will survey methods of assessment & evaluation of buildings. The third phase is a practicum, applying the seminar knowledge to a building-in-use assessment of a state-of-the-art high-performance building in Portland, OR.