ARCH 576: Critical Issues in Contemporary Healthcare Architecture
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Spring 2013

Rationale
Healthcare and healthcare architecture have entered a period of radical transformation. These transformations are: led by advances in technologies; humbled by the emergence of antibiotic resistant bacteria; buffeted with the uncertainties of climate change; challenged by rising costs; and forced to create new paradigms for the delivery of healthcare.

This seminar will introduce students to the issues, vocabulary, and domains of contemporary healthcare architecture at an advanced and detailed level.

Intent
This seminar will examine ten key issues driving healthcare architecture in the US. These issues are framed within the context of specific healthcare domains. Guest lecturers will present within each domain. The issues are:

1. Healthcare architecture in post-antibiotic world: the rise of resistant organisms and the implications for healthcare architecture.
2. The convergence of surgery and imaging: the creation and advance of the hybrid OR.
4. Lessons for healthcare architecture in a changing climate: is sustainable health care architecture possible?
6. “Experience Healthcare Architecture:” the emergence of user experience and the implications for healthcare improvement
7. LEAN Healthcare architecture: the place of efficiency in the clinical environment
8. New technologies and the dissemination of healthcare: the data driven life.
9. The rise of chronic disease: obesogenic environments and human health

Deliverables
1. Contemporary Issues Journal:
   Students will maintain a written and graphic Journal that relates course content to contemporary issues and problems. Students will be assigned readings in current newspapers, blogs, online sites or other media. The student shall briefly summarize the reading and comment on the relationship between the reading and issues addressed during class.

2. Students will participate in two (2) debates.
   Students will research and debate issues within the domains and will create visual evidence displays (Evidence Based Design) in support of their positions.

3. Intervention
   Based on evidence created during the semester in Debates, Contemporary Journal and readings, the student will propose an “Intervention” for one domain.

Readings
No required textbook. Readings will be distributed weekly via PDF and online links.