SYLLABUS
Graduate Level / Fall Term 2011

Course: Disaster-Resilient Planning, Design & Reconstruction

Instructors:
- Shun Kanda: MIT Architecture/Keio Visiting Professor
- Joel Lamere: MIT Architecture
- with Hiroto Kobayashi: Keio Architecture
- Yoshihiro Hiraoka: Miyagi U. Architecture

Consultants:
- James Wescoat: MIT Architecture/Disaster-Resilient Planning
- Duncan Kincaid: MIT DUSP Computer Resource Network

PREMISE
In the aftermath of the March 11, 2011 triple disaster suffered in Tohoku, Japan, the MIT-Japan Program at the Center for International Studies has established a mechanism to exchange faculty and students between MIT and universities in Tohoku and Japan with the collaborative goal of mobilizing the study and implementation of Disaster-Resilient Planning, Design & Reconstruction initiatives.

In late spring 2011, the MIT Japan 3/11 Initiative Team commenced work in Minamisanriku, Miyagi-ken with its Mayor Jin Sato, community leaders, residents, NGO affiliates, faculty & students of Miyagi and Keio Universities and consulting professionals to map out a plan of action for the near and long-term paths to recovery. At the end of this summer, the team has completed (a) the Utatsu-Minamisanriku Transect/Rapid Visual Site Analysis and (b) Conceptual Design of a Memorial Community Center.

The course this Fall Term is established within the auspices of Keio University and MIT Center for International Studies & Japan Program’s Inter-University Program taught in Tokyo/Sendai, Japan.

PROJECT
Design/Build innovation & implementation of a prototype transitional Community Center with/for the people of Minamisanriku

SITE:
alternate locations at Minamisanriku Temporary Housing sites / 仮設住宅現場

PROGRAM:
Building, Furnishings & Landscape Design for transitional occupancy and use including information, resource and multi-purpose center, facilities for relief agency, daycare, kindergarten, eldercare, volunteer rest-stations, a public bathhouse, vendor stalls, an outdoor terrace, garden and arbor – to serve the collective needs of the inhabitants, those amenities typically lacking within each of the housing units and the current temporary (expected 2–5 years duration) social environment.

DESIGN PARAMETERS:
digitally-generated architectural component
economy of means & rapid fabrication
manual assembly & incremental construction
wood & local building materials
seismic resiliency

TEACHING METHOD & FORMAT:
linked instruction via Tokyo/Sendai/Boston
local community participation
class attendance at Keio U. Mita campus and/or on-site at Minamisanriku

OUTLINE
SCHEDULE:
* see attached schedule for details
END-PRODUCT: Partial/Substantial Completion of Building Documentation, Public Presentation & Publication

Eligibility: graduate students in design including architecture, engineering, landscape, product & community design with CAD and advanced digital design skills are all eligible to attend, English language-proficiency is a requirement.

Enrollment: academic enrollment from affiliated members of the MIT Inter-University Program and others with designated faculty approval.

Certificate of Attendance: upon request and approval of the faculty and university, a Certificate of Attendance issued by the MIT Center for International Studies may be awarded at the successful completion of this course.

Tuition: tuition & fees are required to register for the course; for information on specific cost, registration & payment, email: Kay Mizuno <almoni@peach.ocn.ne.jp>

Support: this course is funded and supported in part by various institutions, foundations, corporations and private donors including:
MIT Office of the President, Various Schools & Faculty
MIT Center for International Studies
MIT Japan Program
MIT Department of Architecture
MIT Japan Association
Others

Supporting References:
URL: http://mit.edu.japan3-11
URL: http://web.mit.edu/cis/

Appendix: Proposal: MIT Japan 3/11 Initiative