SYLLABUS_DesignBuild

110910sk

Course: Disaster-Resilient Planning, Design & Reconstruction
Graduate Level/Fall Term 2011

Instructors:	Shun Kanda	MIT Architecture/Keio Visiting Professor
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	Joel Lamere	MIT Architecture
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Consultants:	James Wescoat	MIT Architecture/Disaster-Resilient Planning
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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 – the immense task ahead of rebuilding the widespread devastation of homes, communities and loss of livelihood to this region.

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.

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

SITE: alternate locations at Temporary Housing sites

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
attendance at Keio U. Mita campus and/or on-site at Minamisanriku

OUTLINE SCHEDULE: September 26, 2011 – January 23/28, 2012
• *see attached schedule for details*

END-PRODUCT: Partial/Substantial Completion of Building
Documentation, Public Presentation & Publication

Eligibility Qualification Enrollment

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

fabrication, assembly & building construction opportunities are open to community volunteers, professionals and other participants

Funding Support

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Supporting References URL: http//mit.edu.japan3-11
Appendix Outline Schedule
Proposal: MIT Japan 3/11 Initiative