Urban Design Workshop: CRP 8873/ARCH 8803 (CRN: 92446/92454)
Smart Commons: A Campus Concept Plan for GT Shenzhen (Draft)
Meeting Time: Friday 9:00-12:00; Venue: Eco Urban Lab (304 ARCH E)

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The Urban Design Workshop in Fall 2018 aims to develop a Campus Concept Plan based on Georgia Tech’s new global campus in Shenzhen. The project defines the Smart Commons as its vision that is built upon Georgia Tech’s legacy of campus practices in Atlanta including the Clough Commons, the Eco Commons and other green campus initiatives. The Smart Commons conceptualizes Georgia Tech’s global initiative of building a world-class international campus in the context of the City of Shenzhen, an emerging Silicon Valley in China and Asia. Georgia Tech’s footprint in Shenzhen creates enormous opportunities for the Institute to extend its global impact through developing cutting-edge educational programs and cultivating international research partnership.

The workshop uses the approach urban systems design to demonstrate how a smart campus is planned, designed, evaluated, and implemented. It engages students and faculty inside Georgia Tech community in Atlanta, experts and stakeholders in Shenzhen and China for moving decision makings of the international initiatives. The GT Shenzhen campus is also seen as a living laboratory for research. The project needs to first develop commons goals of performance criteria, including but not limited to the follows:

1. Ecological site planning
2. A creative and smart campus environment for learning and research innovations
3. Zero discharge campus, the sponge city and hydrological low-impact development
4. Zero energy campus
5. Quality campus design and construction over project life cycle to be managed by BIM (Building Information Modeling)
6. GT Shenzhen campus as a pilot project in Shenzhen to demonstrate future smart city technologies

The Georgia Tech group will be in collaboration with Georgia Tech Tianjin University Shenzhen Institute (GTSI), Tianjin University Architecture Design and Urban Planning Institute (TJU AATU) and the Bureau of Public Works (BPW) of Shenzhen City Government to jointly deliver a Campus Concept Plan over one semester. Students will be exposed to a cross-disciplinary and international learning environment, and will define their own niche in the studio on one or more focuses: campus master plan design, campus space programming and users’ need investigations, campus project management, campus infrastructural systems planning, GIS-based urban analytics modeling, building energy modeling, parametric design and/or eco
campus performance evaluation. The Urban Design Workshop opens to students from MArch, MCRP, MS Architecture and MSUD Programs. Senior architecture students are welcome to apply but will need to get permission from the instructor to take the workshop. There is a one-week co-design workshop tentatively scheduled in October 6-14.

**Tentative Schedule:**

**Week 1-7** August 24 – October 5 (Seven weeks)
Phase 1: Shenzhen Campus Concept Planning and Design, to focus on conceptual design and analyses
- Task: Campus project process planning, Campus space programmatic study, Site analysis and Sketch concept development
- Weekly review and pin-up session
- Midterm review on October 5

**Week 8** October 6-14 (One-week)
Co-design Workshop through a series of video conference meetings
- Task: To determine common goals, design propositions and campus concept plan design framework
- Interacting with Georgia Tech Studio team and TJU design team, Shenzhen BPW and other stakeholders in Shenzhen city to receive feedback

**Week 9-12** October 15- November 9 (Four weeks)
Phase 2: Shenzhen Campus Concept Planning and Design, to focus on production
- GT and TJU to divide the task for the concept plan production defined during the co-design workshop in October. The concept plan production should be ready by November 9.

**Week 13** November 11-12 (Presentation to Shenzhen stakeholders, Perry to attend)
Exhibition of the GT Shenzhen Concept Plan + Future Education Conference in Shenzhen
- Georgia Tech and TJU design team to deliver final exhibition product before November 9 to GTSI office for organizing exhibition at the Future Education Conference in Shenzhen.

**Week 14-15** November 19- December 7
GT Shenzhen Campus Concept Plan Final Report production
- Task: Georgia Tech team and TJU AATU design team complete the final report of GTSI Campus Concept Plan