Arch 594GDS

Course title: Assessment of Green Design Strategies Using Computer Simulation

Instructor: Dr. Mohamed Boubekri
Credit Hours: 3 cr.

This is a 3 credit-hour lab/discussion seminar where students are exposed to hands-on and computer simulation techniques to explore the impact of design solutions on building performance. Through “what if” scenarios students will learn and explore the manner in which building design solutions can impact the energy consumption, thermal comfort and daylighting performance of green design alternatives from the early design stages to design development stages. Special emphasis will be given to exploring the energy and daylighting performance of buildings.

- Sustainable Site Development
- Energy Savings
- Daylighting Performance
- User's Comfort
- Material Selection
- Design Strategies