This course emphasizes the important performance aspects of daylighting systems in terms of visual comfort, energy savings, and building occupants' wellbeing. The course covers the necessary assessment tools for an efficient integration of daylighting in the overall design of building. The fundamentals of daylighting are introduced and their relevance to design decisions are emphasized. Benefits of daylighting in terms health benefits and impacts on building occupants will be a major emphasis. Using scale modeling and computer simulation techniques, the performance of daylighting strategies will be explored from the quantitative and qualitative aspects.