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## SYSTEMS DESIGN AND ANALYSIS

- Systems design comprises a logical series of steps that leads to the best decision for a given set of conditions. The procedure requires:
  - Analysis of a building as a system.
  - Synthesis, or selection of components, to form a system that meets specific objectives while subject to constraints, or variables controllable by designers.
  - Appraisal of system performance, including comparisons with alternative systems.
  - Feedback to analysis and synthesis of information obtained in system evaluation, to improve the design.













