Architecture presents a new kind of insight into complexity because it is one of the human endeavors where we most explicitly deal with complexity and have to create it.

Christopher Alexander

**Intent**

Embracing complexity in Architecture is by no means a new idea. What has changed are the tools and techniques with which we, as designers, can process and understand complexity both in the world around us and in the buildings we create. The intent of this course is to critically assess the current trends of complexity in Architecture and Engineering, with an emphasis on emerging performative practice models that blur the lines between the two professions. Throughout the course we will be investigating the tools and processes utilized by these practices as a means of better understanding the influence of complexity in building design.

**Format**

The course will be structured around lectures, readings and discussions, case studies, and small design exercises. Students are expected to attend all lectures and discussions and be active contributors to the course. Readings will be provided through Blackboard.

**Software**

Students are expected to have a laptop for use in this course. It is highly encouraged that students have Windows installed on their machines although other platforms can be used. This course will also include short intensive workshop sessions which involve some software instruction - schedule TBD.