COURSE OUTLINE
The course is intended for beginners in post graduate studies in Design. It can also serve well for aspiring professionals in industry who will be willing to undertake careers in the field of design.

ABOUT INSTRUCTOR
Prof. Shantanu Bhattacharya currently holds Professor position in Department of Mechanical Engineering at Indian Institute of Technology Kanpur, India. He is also serving as Head of the Design programme at the same institute at present.

COURSE PLAN

Week 1: Introduction to Design/Product design
Week 2: Stanford model of Design thinking/ Stages of engineering design of products/ Introduction to Concurrent engineering
Week 3: Concurrent engineering in Practice
Week 4: Concurrent engineering in Practice
Week 5: Product embodiment design(robustness of design/FMEA techniques).
Week 7: Geometric transformation models, Introduction to electronics
Week 8: Material selection process in design, Applied Ergonomics (work systems design, Introduction to bio-mechanics)