MAAE 4906A Nuclear Power Plant Design [0.5 credit] The objective of the course is to describe the basic design and technology of nuclear reactors. The course will describe the major systems in a nuclear power plant as well as the important CANDU reactor safety principles and systems; describe the important systems and components of the Balance of Plant (BoP); describe how safety systems meet licensing requirements with particular reference to IAEA, CNSC and USNRC regulations on plant design and discuss some computer codes used in the safety assessments and design of nuclear power plants.