

Complex Engineering Activities (EA)	
Attribute	Complex Activities
Preamble	Complex activities means (<i>engineering</i>) activities or projects that have some or all of the following characteristics :
Range of resources	EA1: Involve the use of diverse resources including people, data and information, natural, financial and physical resources and appropriate technologies including analytical and/or design software
Level of interactions	EA2: Require optimal resolution of interactions between wide-ranging and/or conflicting technical, non- technical, and engineering issues
Innovation	EA3: Involve creative use of engineering principles, innovative solutions for a conscious purpose, and research-based knowledge
Consequences to society and the environment	EA4: Have significant consequences in a range of contexts, characterized by difficulty of prediction and mitigation
Familiarity	EA5: Can extend beyond previous experiences by applying principles- based approaches

Note

EAs are for courses related to PO9. At least two of EA1 to EA5 are required.