Course Outcome (H) Broad education necessary to understand the impact of engineering solutions in a global and societal context.

Area	Unsatisfactory	Marginal	Satisfactory	Outstanding
Design	No awareness of connection of engineering designs to global and societal context	Awareness of connection of engineering designs to global and societal context including resource usage, production techniques, liability, economic context, societal needs, environmental issues	Knowledge of tradeoffs and constraints with respect to resource usage, production techniques, liability, economic context, societal needs, environmental issues	Understanding how to critique and analyze tradeoffs and constraints with respect to resource usage, production techniques, liability, economic context, societal needs, environmental issues
Professional Engineering Practice	No awareness of link between research and global and societal context	Awareness of link between research and global and societal context including issues of research funding, science and technology policy regarding use of research in engineering design, international collaboration	Knowledge of tradeoffs and constraints with respect to research funding, science and technology policy regarding use of research in engineering design, international collaboration	Understanding how to critique and analyze tradeoffs and constraints with respect to research funding, science and technology policy regarding use of research in engineering design, international collaboration
Organization of Engineering	No awareness of relation of engineering organization to global and societal context	Awareness of relation of engineering organization to global and societal context including roles of professional societies, government and non-government organizations, private enterprise, community groups, and international organizations	Knowledge of tradeoffs and constraints with respect to engineering organization including roles of professional societies, government and non-government organizations, private enterprise, community groups, and international organizations	Understanding how to critique and analyze tradeoffs and constraints with respect to engineering organization including roles of professional societies, government and non-government organizations, private enterprise, community groups, and international organizations