(F): Understanding of Professional and Ethical Responsibility

Area	Unsatisfactory	Marginal	Satisfactory	Outstanding
Design	No awareness, or a denial, of importance of safety, liability, and integrity of data, and context of use in electrical and computer engineering	Awareness of importance of safety, liability, and integrity of data, and context of use in electrical and computer engineering	Knowledge of design tradeoffs and constraints with respect to safety, liability, and integrity of data, and context of use, including liability law	Understanding how to critique and analyze design tradeoffs and constraints with respect to safety, liability, and integrity of data, and context of use, including liability law
Professional Engineering Practice	No awareness, or a denial, of credit and authorship, integrity of data, and informed consent in electrical and computer engineering	Awareness of importance of credit and authorship, integrity of data, and informed consent in electrical and computer engineering	Knowledge of tradeoffs and constraints with respect to research issues of credit and authorship, integrity of data, and informed consent, including whistle-blowing laws	Understanding how to critique and analyze tradeoffs and constraints with respect to issues of credit and authorship, integrity of data, and informed consent, including whistle-blowing laws
Inter- and Intra-Group Relations	No awareness, or a denial, of conflict of interest, bribery, professional dissent, discrimination in electrical and computer engineering	Awareness of importance of conflict of interest, bribery, professional dissent, credit and authorship, discrimination in electrical and computer engineering	Knowledge of tradeoffs and constraints with respect to conflict of interest, bribery, professional dissent, credit and authorship, discrimination, including discrimination laws	Understanding how to critique and analyze tradeoffs and constraints with respect to conflict of interest, bribery, professional dissent, credit and authorship, discrimination, including discrimination laws
Role of Technology in Society	No awareness, or a denial, of connection between design, research, and group relations ethics to larger societal use of technologies, role of technologies in issues of social and environmental concerns	Awareness of importance of connection between design, research, and group relations ethics to larger societal use of technologies, role of technologies in issues of social and environmental concerns	Knowledge of tradeoffs and constraints with respect to connection between design, research, and group relations ethics to larger societal use of technologies, role of technologies in issues of social and environmental concerns	Understanding how to critique and analyze tradeoffs and constraints with respect to connection between design, research, and group relations ethics to larger societal use of technologies, role of technologies in issues of social and environmental concerns