Assessment Plan – Department of EECE BS in Electrical/Electronic Engineering

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
SLO a: an ability to apply	SLO a: an ability to apply	SLO a: an ability to apply	SLO a: an ability to apply	SLO a: an ability to apply	SLO a: an ability to apply
knowledge of mathematics,	knowledge of mathematics,	knowledge of mathematics,	knowledge of mathematics,	knowledge of mathematics,	knowledge of mathematics,
science, and engineering	science, and engineering	science, and engineering	science, and engineering	science, and engineering	science, and engineering
SLO b: an ability to design	SLO b: an ability to design	SLO b: an ability to design	SLO b: an ability to design	SLO b: an ability to design	SLO b: an ability to design
and conduct experiments, as	and conduct experiments, as	and conduct experiments, as	and conduct experiments, as	and conduct experiments, as	and conduct experiments, as
well as to analyze and	well as to analyze and	well as to analyze and	well as to analyze and	well as to analyze and	well as to analyze and
interpret data.	interpret data.	interpret data.	interpret data.	interpret data.	interpret data.
SLO c: an ability to design a	SLO c: an ability to design a	SLO c: an ability to design a	SLO c: an ability to design a	SLO c: an ability to design a	SLO c: an ability to design a
system, component, or	system, component, or	system, component, or	system, component, or	system, component, or	system, component, or
process to meet desired	process to meet desired	process to meet desired	process to meet desired	process to meet desired	process to meet desired
needs within realistic	needs within realistic	needs within realistic	needs within realistic	needs within realistic	needs within realistic
constraints such as economic,	constraints such as economic,	constraints such as economic,	constraints such as economic,	constraints such as economic,	constraints such as economic,
environmental, social,	environmental, social,	environmental, social,	environmental, social,	environmental, social,	environmental, social,
political, ethical, health and	political, ethical, health and	political, ethical, health and	political, ethical, health and	political, ethical, health and	political, ethical, health and
safety, manufacturability,	safety, manufacturability,	safety, manufacturability,	safety, manufacturability,	safety, manufacturability,	safety, manufacturability,
and sustainability.	and sustainability.	and sustainability.	and sustainability.	and sustainability.	and sustainability.
SLO d: an ability to function	SLO d: an ability to function	SLO d: an ability to function	SLO d: an ability to function	SLO d: an ability to function	SLO d: an ability to function
on multidisciplinary teams.	on multidisciplinary teams.	on multidisciplinary teams.	on multidisciplinary teams.	on multidisciplinary teams.	on multidisciplinary teams.
SLO e: an ability to identify,	SLO e: an ability to identify,	SLO e: an ability to identify,	SLO e: an ability to identify,	SLO e: an ability to identify,	SLO e: an ability to identify,
formulate, and solve	formulate, and solve	formulate, and solve	formulate, and solve	formulate, and solve	formulate, and solve
engineering problems.	engineering problems.	engineering problems.	engineering problems.	engineering problems.	engineering problems.
SLO f: an understanding of	SLO f: an understanding of	SLO f: an understanding of	SLO f: an understanding of	SLO f: an understanding of	SLO f: an understanding of
professional and ethical	professional and ethical	professional and ethical	professional and ethical	professional and ethical	professional and ethical
responsibility.	responsibility.	responsibility.	responsibility.	responsibility.	responsibility.
SLO g: an ability to	SLO g: an ability to	SLO g: an ability to	SLO g: an ability to	SLO g: an ability to	SLO g: an ability to
communicate effectively in	communicate effectively in	communicate effectively in	communicate effectively in	communicate effectively in	communicate effectively in
both oral and written forms.	both oral and written forms.	both oral and written forms.	both oral and written forms.	both oral and written forms.	both oral and written forms.
SLO h: the broad education	SLO h: the broad education	SLO h: the broad education	SLO h: the broad education	SLO h: the broad education	SLO h: the broad education
necessary to understand the	necessary to understand the	necessary to understand the	necessary to understand the	necessary to understand the	necessary to understand the
impact of engineering solutions in	impact of engineering solutions in	impact of engineering solutions in	impact of engineering solutions in	impact of engineering solutions in	impact of engineering solutions in
a global, economic,	a global, economic,	a global, economic,	a global, economic,	a global, economic,	a global, economic,
environmental, and societal	environmental, and societal	environmental, and societal	environmental, and societal	environmental, and societal	environmental, and societal
context.	context.	context.	context.	context.	context.
SLO I: a recognition of the	SLO I: a recognition of the	SLO I: a recognition of the	SLO I: a recognition of the	SLO I: a recognition of the	SLO I: a recognition of the
need for, and an ability to	need for, and an ability to	need for, and an ability to	need for, and an ability to	need for, and an ability to	need for, and an ability to
engage in life-long learning	engage in life-long learning	engage in life-long learning	engage in life-long learning	engage in life-long learning	engage in life-long learning
SLO j: a knowledge of	SLO j : a knowledge of	SLO j: a knowledge of	SLO j: a knowledge of	SLO j: a knowledge of	SLO j: a knowledge of
contemporary issues.	contemporary issues.	contemporary issues.	contemporary issues.	contemporary issues.	contemporary issues.
SLO k: an ability to use the	SLO k: an ability to use the	SLO k: an ability to use the	SLO k: an ability to use the	SLO k: an ability to use the	SLO k: an ability to use the
techniques, skills, and	techniques, skills, and	techniques, skills, and	techniques, skills, and	techniques, skills, and	techniques, skills, and

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
modern engineering tools					
necessary for engineering					
practice	practice	practice	practice	practice	practice