Assessment Plan – Department of Civil Engineering BS in Civil Engineering

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
SLO a: Ability to apply	SLO a: Ability to apply	SLO a: Ability to apply	SLO a: Ability to apply	SLO a: Ability to apply	SLO a: Ability to apply
knowledge of math, science	knowledge of math, science	knowledge of math, science	knowledge of math, science	knowledge of math, science	knowledge of math, science
and engineering.	and engineering.	and engineering.	and engineering.	and engineering.	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 civil engineering	and conduct civil engineering	and conduct civil engineering	and conduct civil engineering	and conduct civil engineering	and conduct civil engineering
experiments, as well as to	experiments, as well as to	experiments, as well as to	experiments, as well as to	experiments, as well as to	experiments, as well as to
analyze and interpret the	analyze and interpret the	analyze and interpret the	analyze and interpret the	analyze and interpret the	analyze and interpret the
resulting data.	resulting data.	resulting data.	resulting data.	resulting data.	resulting 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 in more than one civil	needs in more than one civil	needs in more than one civil	needs in more than one civil	needs in more than one civil	needs in more than one civil
engineering context and	engineering context and	engineering context and	engineering context and	engineering context and	engineering context and
within realistic constraints.	within realistic constraints.	within realistic constraints.	within realistic constraints.	within realistic constraints.	within realistic constraints.
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, including the	responsibility, including the	responsibility, including the	responsibility, including the	responsibility, including the	responsibility, including the
importance of professional	importance of professional	importance of professional	importance of professional	importance of professional	importance of professional
licensure.	licensure.	licensure.	licensure.	licensure.	licensure.
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.	communicate effectively.	communicate effectively.	communicate effectively.	communicate effectively.	communicate effectively.
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	impact of engineering	impact of engineering	impact of engineering	impact of engineering	impact of engineering
solutions in a global,	solutions in a global,	solutions in a global,	solutions in a global,	solutions in a global,	solutions in a global,
economic, environmental,	economic, environmental,	economic, environmental,	economic, environmental,	economic, environmental,	economic, environmental,
and societal context.	and societal context.	and societal context.	and societal context.	and societal context.	and societal 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
modern engineering tools	modern engineering tools	modern engineering tools	modern engineering tools	modern engineering tools	modern engineering tools

SLO	2017-2018	2018-2019	2019-2020	2021-2022	2022-2023
necessary for engineering					
practice.	practice.	practice.	practice.	practice.	practice.
SLO I: An understanding of					
basic concepts in					
management, business,					
public policy, and leadership.					