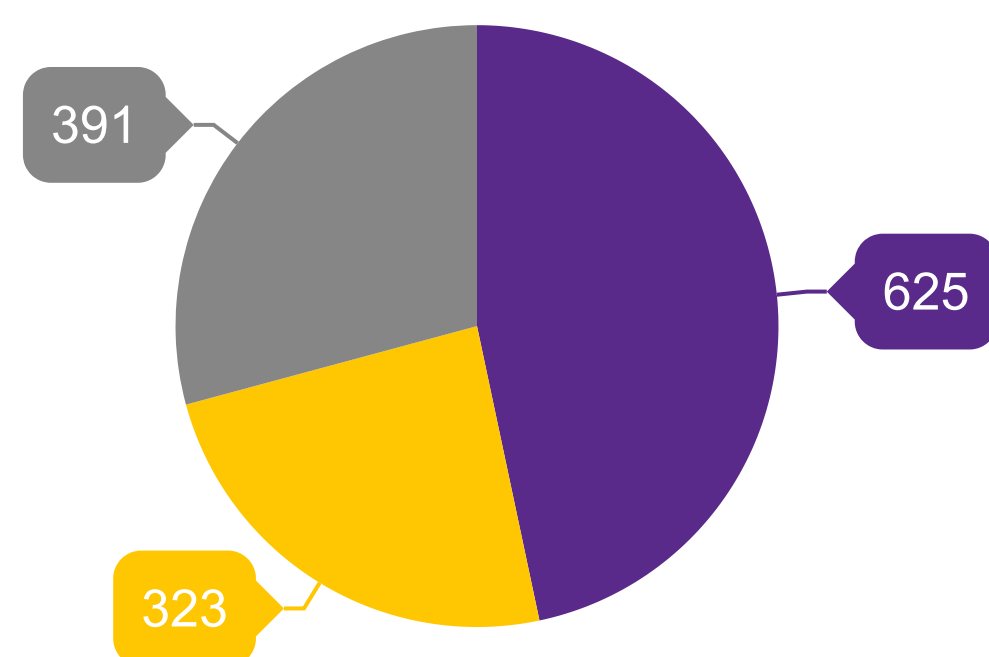


General Education Assessment Natural Sciences

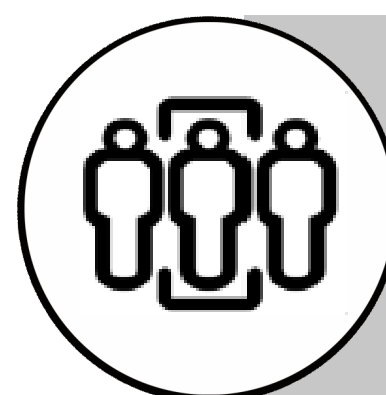
CHEM 1151&1161 2018 Spring // PHYS 1251 2018 Fall // BIOL 1101&1201 2018 Spring & Fall

◆ Assessment Sample (N=1,339)



Chemistry (46.68%) Biology (24.12%) Physics (29.20%)

◆ Sample Profile (N=1,339)



58% of the students are female

29% are Juniors or Seniors

49% are rural students



Average unweighted high school GPA is 3.4

Average cumulative GPA is 3.2

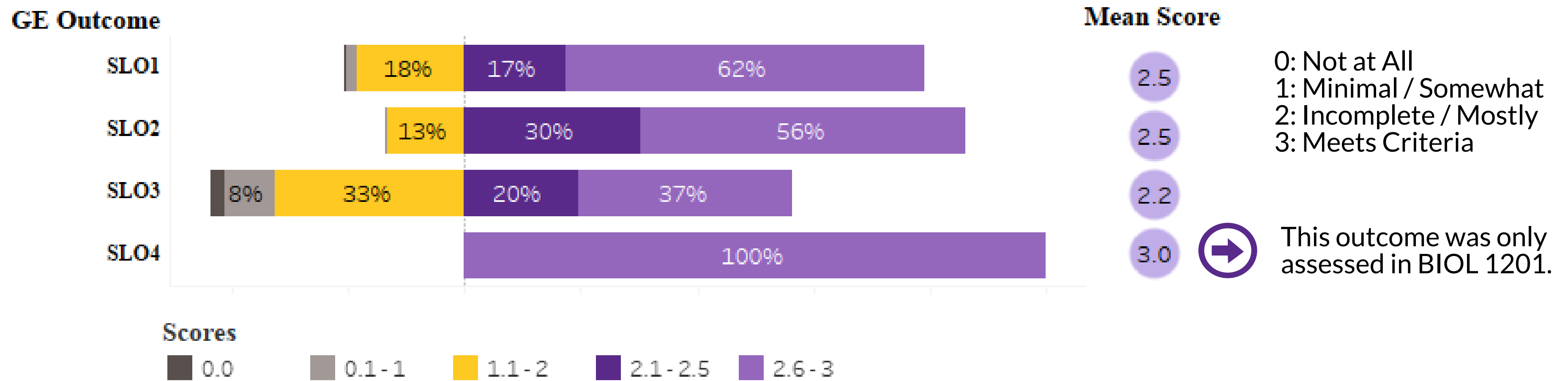
Average final course grade is 3.2

◆ GE Natural Sciences Learning Outcomes

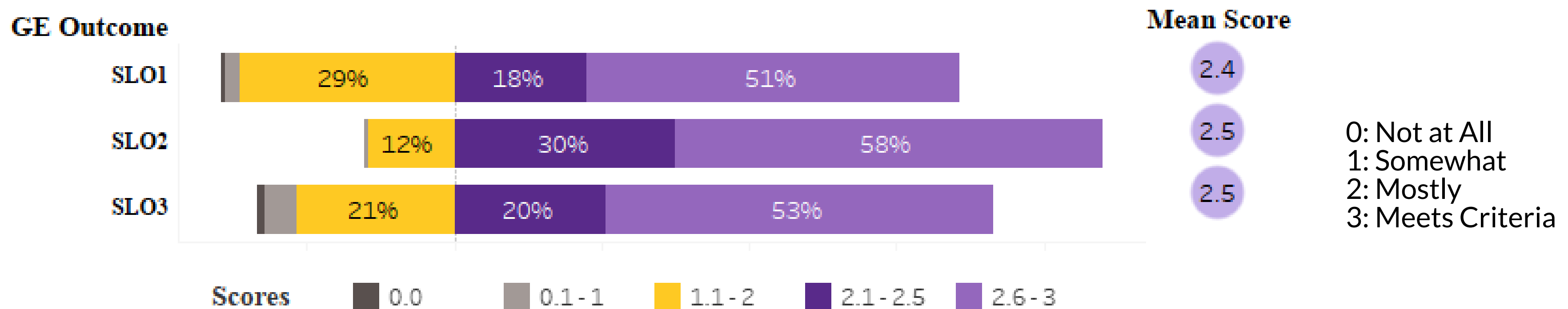
1. (Natural Phenomena and Scientific Problems) Apply discipline-specific knowledge to explain natural phenomena and scientific problems.
2. (Hypothesis Testing) Use discipline-specific methods to test a hypothesis by collecting, analyzing and interpreting data and communicate the results.
3. (Scientific Inquiry) Describe the scope and limits of science and how scientific inquiry is based on investigation of evidence from the natural world.
4. (Societal Issues) Describe how scientific data and advances in science relate to societal issues.

GE Natural Sciences Learning Outcome Results (1)

◆ Natural Sciences: Learning Outcome Results (N=1,339)

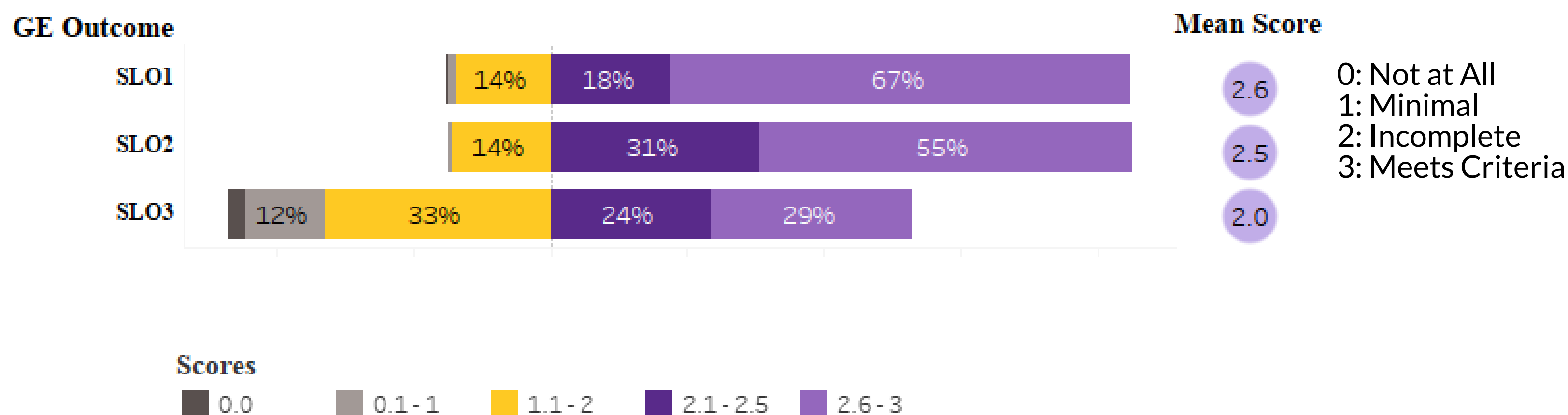


◆ Physics 1251 : Learning Outcome Results (N=391)

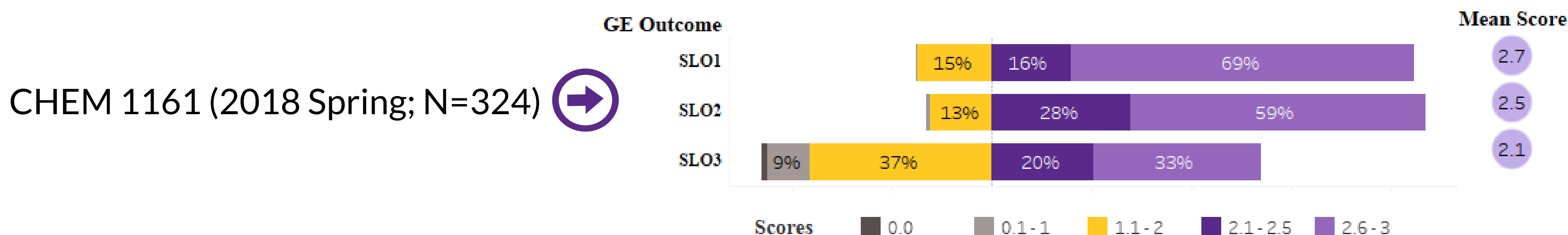
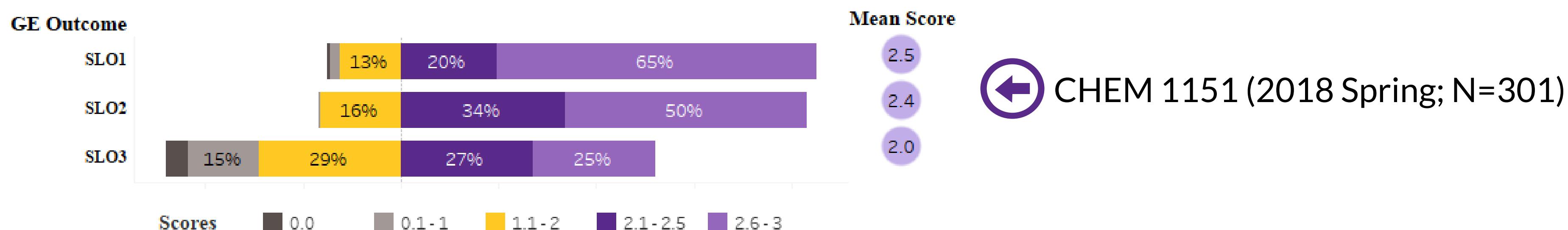


GE Natural Sciences Learning Outcome Results (2)

◆ Chemistry 1151 & 1161: Learning Outcome Results (N=625)

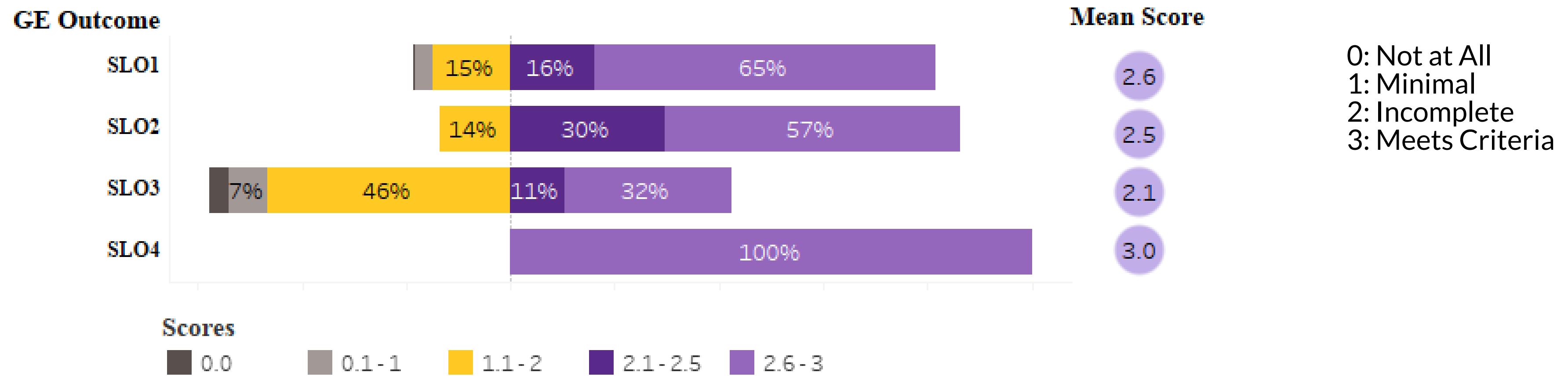


◆ CHEM 1151 & 1161: Learning Outcome Results Comparison

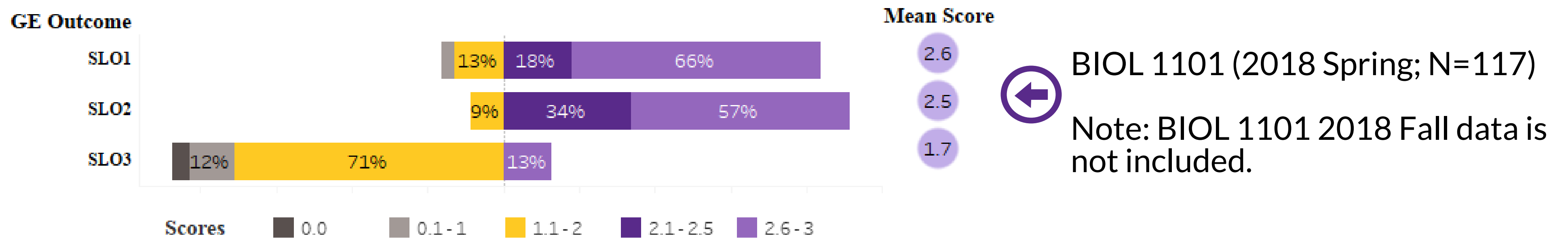


GE Natural Sciences Learning Outcome Results (3)

◆ Biology 1101 & 1201: Learning Outcome Results (N=323)



◆ BIOL 1101 & 1201: Learning Outcome Results Comparison



BIOL 1201 (2018 Fall; N=63)

