Students graduating with a Biology B.A/B.S from Cal State East Bay will be able to:

- 1 Demonstrate how evolutionary processes give rise to the diversity and unity of life, from genomes to ecosystems. (ILO 6)
- 2 Explain the relationship between structure and function across all levels of biological organization, from ions to ecosystems. (ILO 6)
- 3 Gearly communicate biological information in a variety of formats (written, oral, graphical, computational) using a style appropriate for the intended audience. (ILO 1, 2, 6)
- 4 Apply methods of scientific inquiry

a B.S. or B.A. in biology.

The mean overall score on the Biology Capstone Assessment was 15.4 out of 25 points, or 61.7%. Student performances were notably discrepant in the two major content areas, with a relatively strong performance on the evolution questions (mean 71.5%, SE 0.16) and a relatively poor performance on the molecular genetics questions (mean 55.4%, SE 0.26; Fig. 1). Student performances in the two minor content areas were also

specifically for programmatic assessment of biology program SLOs;

-- Continue to administer a Biology Capstone Assessment test that would be taken by

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robust assignment and rubrics that will enable assessment of program SLOs.