

## Physics Goals Orientation Survey (PGOS) Answer Key

- The PGOS score is the average Likert rating for questions in each category (ego, task, cooperation, work avoidance).
- A student receives 1 point for their strongly disagree response to a question, 5 points for their strongly agree response, and 2-4 points for disagree, neutral or agree response, respectively
- Calculate students' average score for each of four goal orientation categories. Calculating the average total score is not recommended.
  - Task orientation (items 3,8,14,16,19) is associated with the belief that success is a product of effort, understanding and collaboration.
  - Ego orientation (items 1,2,6,7,13) describes the belief that success relies on greater ability and attempting to outperform others.
  - Cooperation (items 4,9,11,15,17) oriented students value interaction with their peers in the learning process.
  - Work avoidance (items 5,10,12,18) describes the goal of minimum effort – maximum gain.