

## Examples of Direct and Indirect Measures

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### Course

#### Direct Measures

- Course and homework assignments
- Examinations and quizzes
- Standardized tests
- Term papers and reports
- Observations of field work, internship performance, service learning, or clinical experiences
- Research projects
- Class discussion participation
- Rubric (a criterion-based rating scale) scores for writing, oral presentations, and performances
- Artistic performances and products
- Grades that are based on explicit criteria related to clear learning goals

#### Indirect Measures

- Course evaluation
- Test blueprints (outlines of the concepts and skills covered on tests)
- Percent of class time spent in active learning
- Number of student hours spent on service learning
- Number of student hours spent on homework
- Number of student hours spent at intellectual or cultural activities related to the course
- Grades that are not based on explicit criteria related to clear learning goals

### Program

- Capstone projects, senior theses, exhibits, or performances
- Pass rates or scores on licensure, certification, or subject area tests
- Student publications or conference presentations
- Employer and internship supervisor ratings of student performance.

- Focus group interviews with students, faculty members or employers
- Registration or course enrollment information
- Department or program review data
- Job placement
- Employer or alumni surveys
- Student perception surveys
- Proportion of upper-level courses compared to the same program at other institutions
- Graduate school placement rates