

Appendix H:

Samples of Direct and Indirect Measures of Student Learning at the Course, Program, Institutional and Student Services Levels

Level	Direct Measures	Indirect Measures
Course	Essays/ Research Papers Direct observations of oral presentations/performances/demonstrations Video/audio observation Pre/ Post-test Major examinations or assignments Completion Accuracy Observations of field work, internship performance, or service learning Work groups/ table top exercises Case study analysis Portfolios of student work Goal Completion Juried Evaluators Projects	Course evaluations 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 Number of student hours spent in contact with faculty outside the classroom Other: _____
Program	Portfolios Capstone projects, 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 students' performance Other: _____	Focus group interviews Registration or course enrollment data Department or program review data Employer or alumni surveys Student perception surveys Proportion of upper-level courses relative to the same program at other institutions Job placement rates Number of faculty hours spent collaborating Internship evaluation Retention studies Transfer rates Graduation rate Course success rate Diversity statistics Other: _____

Level	Direct Measures	Indirect Measures
Institution	<p>Performance on tests of writing, critical thinking, or general knowledge</p> <p>Rubric (grading scale) scores for class assignments in GE, interdisciplinary core courses, or other courses required by all students</p> <p>Performance on achievement tests</p> <p>Explicit self-reflections on what students have learned as a result of required community service or other experiences</p> <p>Other: _____</p>	<p>Locally-developed, commercial, or national surveys of student perceptions or self-report activities (e.g., National Survey of Student Engagement)</p> <p>Transcript studies that examine patterns and trends of course selection and grading</p> <p>Annual reports including institutional benchmarks</p> <p>Focus group evaluation</p> <p>Tracking Alumni honors/awards</p> <p>Retention studies</p> <p>Study abroad rates</p> <p>Transfer rates</p> <p>Graduation rate</p> <p>Course success rate</p> <p>Diversity statistics</p> <p>Job placement statistics</p> <p>Other: _____</p>
Student Services	<p>Locally developed tests</p> <p>National standardized tests (e.g. CCSEQ, LASSI)</p> <p>National licensure exam</p> <p>Pre and post tests</p> <p>Evaluation of student work samples (portfolios, capstone projects, etc.)</p> <p>Evaluation of student performance on a case study or problem analysis</p> <p>Observation and evaluation of student behavior</p> <p>Externally reviewed internship</p> <p>Other: _____</p>	<p>Home grown or standardized surveys (mailed, online, phone)</p> <p>Focus groups</p> <p>Staff and student journals</p> <p>Academic performance after transfer</p> <p>Exit interviews</p> <p>SAP Data</p> <p>Usage rates</p> <p>Student Satisfaction studies</p> <p>Other: _____</p>