Assessment Tools

Things to consider when selecting assessment tools:

1. **Workload** – Is the workload reasonable for students and graders?
2. **Representation** – Are the results representative of the entire group (program or class)?
3. **Content** – Is the assessment tool clearly aligned with the outcome?
4. **Reliability** – Will results will be consistent between different graders?
5. **Useful for Program Improvement –** Does the assessment provide information related to educational experience that can be used for course and/or program improvement?

Examples of assessment tools:

Assessment	*Example*
Exam	a question on a midterm or final exam
Standardized Test	Force Concept Inventory (FCI)
Performance Appraisal	an assessment of individual lab skills
Simulation	emergency simulation
Behavioural observation	observation of how a team functions
Portfolios	material selected by students themselves
Externally-scored material	scoring of course artefact using an externally-derived critical thinking rubric (possibly program-wide).
External examiners	volunteer from industry acting as a judge on a design project
Oral exams	project or thesis presentation
Reports	group or individual reports
Surveys and/or questionnaires	in-class or out of class
Focus groups	