

CWLO Faculty Resources:

These resources are being provided to Program & Curriculum Development at RRC to review and consider when developing resource files for CWLO implementation. They may be useful to faculty and to staff who are supporting faculty. Some are background reading, others are sample processes or rubrics. Some are items that may be useful to faculty when developing courses that incorporate a specific CWLO or indicator of that CWLO.

General:

1. Key competency listings and rubrics

- a. VALUE rubrics. Valid Assessment of Learning in Undergraduate Education (VALUE) project. Association of American Colleges and Universities 2010.
<http://www.aacu.org/value/index.cfm>, and <http://leap.aacu.org/toolkit/learning-outcomes-assessment/2010/value-rubrics-for-assessing-learning>
- b. Competence-based learning. A proposal for the assessment of generic competences. Tuning. 2008 University of Deusto. Aurelio Villa Sanchez & Manuel Poblete Ruiz (Eds.). Contains extensive background and examples of generic competency rubrics.

2. Institution wide outcomes; value, how to use, and examples of rubrics

- a. California Luther University. CLU Student Learning Outcomes and Rubrics. Found at: https://www.callutheran.edu/assessment/student_learning_outcomes/ed_objectives.php
- b. University of Guelph Undergraduate outcomes. Also resources for developing and implementing learning outcomes. Found at: <http://www.uoguelph.ca/vpacademic/avpa/outcomes/>
- c. Norquest College. Found at: <http://www.norquest.ca/about-us/college-wide-learning-outcomes.aspx>
- d. Bowling Green State University statement of University Learning Outcomes and how they are incorporated into different programs as well as 'the many facets of student life'

beyond the classroom. Also includes rubrics described as ‘developmental stages of (the competency) for each of Inquiry, Creative Problem Solving, Decision Making, Writing, Presenting and Participation and Leadership. Found at:

<http://www2.bgsu.edu/offices/assessment/page31439.html>

- e. Undergraduate program outcomes in business (for Communication, Ethics and Social Responsibility, Critical Thinking, Knowledge Integration, Global Competencies, Teamwork), plus assessment methods and related rubrics for each. Found at:
<https://business.uc.edu/content/dam/business/college-shared-documents/Accreditation/Accreditation%20Materials/19%20Undergraduate%20Program%20Learning%20Objective%20Rubrics.pdf>

3. Developing and using rubrics, and example rubric groupings

- a. A rubric template example at: <http://www.ced.csulb.edu/offices/assessment-office/creating-rubric>
- b. Composite Candidate Assessment Plan Template at:
http://www.ced.csulb.edu/sites/default/files/documents/assessment-plan-escp-prelim-f11-present-final_2012-08-22.pdf
- c. Rubric Library. Fresno State. Found at:
<http://www.fresnostate.edu/academics/oie/assessment/rubric.html>
- d. How to create rubrics plus a Rubric Bank. University of Hawai’i Mānoa. Found at:
<http://manoa.hawaii.edu/assessment/resources/rubricbank.htm>

4. Mapping program and course outcomes

- a. Examples of curriculum mapping at:
<http://manoa.hawaii.edu/assessment/howto/mapping.htm>
- b. Identifying college wide outcomes in programs or course syllabi example. California Lutheran University. Found at:
http://www.callutheran.edu/assessment/student_learning_outcomes/syllabi.php
- c. Curriculum Maps. California Lutheran University. Found at:
http://www.callutheran.edu/assessment/student_learning_outcomes/CurriculumMaps.php

5. Assessing program and institutional effectiveness

- a. The Pathway to Proficiency: Chaffey College’s Four Year Assessment Plan to Achieve Proficiency in Student Learning Outcomes and Outcomes-Based Assessment. 2012. An excellent resource which provides an overview of the outcomes and assessment process for the College at institutional, program and course levels, structure of committees and assessment framework, and the implementation plan. Found at: http://www.chaffey.edu/slo/resources/pathway_proficiency.pdf
- b. Assuring Quality. An Institutional Self-Assessment Tool for Excellent Practice in Student Learning Outcomes Assessment. New Leadership Alliance for student learning and accountability. 2012. Found at: http://www.chea.org/alliance_publications/assuring%20quality-pdf%20version.pdf
- c. Plan for assessment of Student learning Outcomes at Mount Royal College 2003. Found at: <http://www.mtroyal.ca/assessment/>
- d. Wisconsin Indianhead Technical College (WITC) provides some integrated examples of collegewide outcomes, rubrics for the outcomes and examples of institutional-wide assessments “to evaluate students’ achievement of the Collegewide Outcomes”. Found at: <http://www.witc.edu/staff/assessment/rubric.htm>
- e. Some examples of program assessment implementation, assessing meeting program-wide learning outcomes. Found at: <http://manoa.hawaii.edu/assessment/shorts/index.htm>
- f. Student Learning Program College-Wide Assessment. Central Lakes College, MN. 2012.
 - i. Explanation to students of 3 levels of assessment (college, program, course) at: <http://www.clcmn.edu/programs/studentlearning.html>
 - ii. Handbook. Found at: [http://www.clcmn.edu/cis/pdf/Handbook%20for%20the%20Student%20Learning%20Program%20College-Wide%20Assessment%201-4%20\(pdf\).pdf](http://www.clcmn.edu/cis/pdf/Handbook%20for%20the%20Student%20Learning%20Program%20College-Wide%20Assessment%201-4%20(pdf).pdf)
- g. Rubric for Evaluating Institutional Effectiveness – Part III: Student Learning Outcomes. Accrediting Commission for Community and Junior Colleges. Western Association of Schools and Colleges. Found at: http://www.ccsf.edu/NEW/content/dam/ccsf/documents/OfficeOfInstruction/SLO/Templates/ACCJC_SLO_Rubric.pdf

A. CAREER READINESS

1. Ontario TUNING Project (HEQCO led): Identifying and Measuring Sector-based Learning Outcomes Presentation. Context Table: Characteristics of SLOs by Qualification Level. April 2013
2. VALUE Rubrics for Global Learning, Foundations and Skills for Lifelong Learning, and Integrative Learning. <http://www.aacu.org/value/index.cfm>
3. Ministry of Training, Colleges and Universities, 2011. *Ontario Quality Assurance Framework*, <http://www.tcu.gov.on.ca/pepg/programs/oqf/>
4. Ministry of Training Colleges and Universities, 2009. *Ontario Qualifications Framework*, <http://www.tcu.gov.on.ca/eng/general/postsec/oqf.pdf>
5. Australian Qualifications Framework Second Edition January 2013. (AQF qualification type learning outcomes descriptors and criteria)
6. Framework for 21st Century Learning. <http://www.p21.org/our-work/p21-framework>
7. Lumina Foundation Degree Qualifications. Profile at: http://www.luminafoundation.org/newsroom/topics.html?_stopic=4
8. Maritime Degree Level Qualifications Framework at: www.mphec.ca/resources/DegreeLevelFrameworkEn.pdf

B. COMMUNICATE

1. Communication Rubric. Alamo Colleges. Palo Alto College. Found at: <https://www.alamo.edu/WorkArea/DownloadAsset.aspx?id=16261>
2. VALUE Rubrics for Quantitative Literacy, Information Literacy, Written Communication, Oral Communication and Reading
3. Formal Oral Communication Rubric. Eberly Center for Teaching Excellence, Carnegie Mellon University
4. Communicating Rubric. University of Guelph Undergraduate Degree Learning Outcomes, Skills and Rubrics. November 2012
<http://www.uoguelph.ca/vpacademic/avpa/outcomes/pdfs/Undergraduate%20LO%20Rubrics.pdf>

5. RRC College-wide Learning Outcomes Rubrics for *Manages Information and Communication*

See also many of the composite listings of college-wide learning outcomes and rubrics under the General category above.

C. THINK CRITICALLY

1. Online Model for learning the Elements and Standards of Critical Thinking. Foundation for Critical Thinking 2007. At: <http://www.criticalthinking.org/ctmodel/logic-model1.htm>
2. Critical Thinking Rubric. Alamo Colleges. Palo Alto College. Found at: <https://www.alamo.edu/WorkArea/DownloadAsset.aspx?id=16261>
3. Critical Thinking Grid (rubric) and Worksheet for assessing student analytical thinking. Found at: Foundation for Critical Thinking www.criticalthinking.org
4. Critical Thinking and Information Literacy VALUE Rubrics. AACU. <http://www.aacu.org/VALUE/rubrics/>
5. From Insight Assessment at: <http://www.insightassessment.com>. See Critical thinking resources on side menu. Also <http://www.insightassessment.com/CT-Resources/Teaching-For-and-About-Critical-Thinking>
6. 21st Century Skills. P21 Framework Definitions Dec 2009: <http://www.p21.org/our-work/p21-framework>
7. Structures for student assessment of writing, listening, speaking and reading in relation to critical thinking: <http://www.criticalthinking.org/pages/structures-for-student-self-assessment/458>
8. Excellent resources for faculty at: <http://www.criticalthinking.org/pages/college-and-university-faculty/798>
9. Think Critically. UBC Learning Commons at: <http://learningcommons.ubc.ca/student-toolkits-2/thinking-critically/>

See also many of the composite listings of college-wide learning outcomes and rubrics under the General category above.

D. INNOVATE

1. <http://www.palgrave.com/skills4study/studyskills/thinking/creative.asp>
2. Edward de Bono and his 6 Thinking Hats:
http://www.mindtools.com/pages/article/newTED_07.htm
3. Introduction to Creative Thinking by R. Harris from VirtualSalt – This page compares critical and creative thinking and discusses the myths of creative thinking.
<http://www.virtualsalt.com/crebook1.htm>
4. Tutorial on Creativity, Brainstorming and Innovation from Infinite Innovations Ltd. – This tutorial provides basic information about creativity, brainstorming, and innovation. It also provides ideas and activities. <http://www.infinn.com/creative.html>
5. Links to resources on creativity at: <http://ozpk.tripod.com/000create>
6. Free tutorials on brainstorming and creative thinking...part of brainstorming:
<http://www.brainstorming.co.uk/tutorials/tutorialcontents.html>. Some public, some cost resources.
7. Creative Thinking VALUE Rubric. Association of American Colleges and Universities at:
<http://www.aacu.org/VALUE/rubrics/>
8. Critical and Creative Thinking Rubric. University of Guelph Undergraduate Degree Learning Outcomes, Skills and Rubrics, Nov 2012.
<https://uoguelph.civicweb.net/Documents/DocumentDisplay.aspx?ID=68908>

E. CONTRIBUTE TO COMMUNITY

1. Assessing Global Learning. Matching Good Intentions with Good Practice. Caryn McTighe Musil. 2006 by the Association of American Colleges and Universities. Includes a sample Global Learning Assessment Matrix. Found at:
http://www.aacu.org/SharedFutures/documents/Global_Learning.pdf
2. AAC&U Civic Knowledge and Civic Engagement Outcomes. [Musil, Caryn McTighe. 2009. Civic Engagement in Higher Education. Jossey-Bass. p. 61-63].
3. Assessing Global Learning: Matching Good Intentions with Good Practice
http://www.aacu.org/SharedFutures/documents/Global_Learning.pdf

4. Road to Global Citizenship: An Educator's Toolkit. Yael Harlap, Editor. The University of British Columbia. Found at: <http://www.aashe.org/>
5. Listing of resources that will assist educators with integrating sustainability within their course, program or initiative. <http://blogs.ubc.ca/tagsustainability/resources/>
6. RRC plan and resources for sustainability at: <http://blogs.rrc.ca/redgreen/education/>. Contact RRC's Manager of Sustainability Sara MacArthur at: smacarthur@rrc.ca
7. Service Learning. American Association of Community Colleges at: <http://www.aacc.nche.edu/Resources/aaccprograms/horizons/Pages/default.aspx>
8. Service learning: http://writing.colostate.edu/guides/teaching/service_learning/definition.cfm
9. Community Service Learning Tools and Resources. Canadian Alliance for Community Service Learning at: <http://www.communityservicelearning.ca/en/resources.htm>
10. Understanding And Assessing Intercultural Competence: A Summary Of Theory, Research, And Practice (Technical Report For The Foreign Language Program Evaluation Project) Castle Sinicrope, John Norris, &Yukiko Watanabe. University Of Hawai'i at Mānoa. 2012. Found at: <http://www.hawaii.edu/sls/sls/wp-content/uploads/2011/06/Norris.pdf>
11. Face It Project. Active Citizenship. http://www.faceitproject.org/active_citizenship.htm
12. Social Responsibility Rubric. Alamo Colleges. Palo Alto College. Found at: <https://www.alamo.edu/WorkArea/DownloadAsset.aspx?id=16261>

See also many of the composite listings of college-wide learning outcomes and rubrics under the General category above.

F. LEAD

1. Cutting-Edge Leadership. Ronald E. Riggio, Ph.D. Found at: <http://www.psychologytoday.com/blog/cutting-edge-leadership/201303/core-leadership-competencies-which-do-you-possess>
2. Teamwork VALUE Rubric. Association of American Colleges and Universities. <http://www.aacu.org/VALUE/rubrics/>
3. Service Rubric and Ethical Leadership Outcomes. Student Leader Learning Outcomes Project. Texas A&M University. 2008. <http://silo.tamu.edu/>

4. Teamwork Rubric. Alamo Colleges. Palo Alto College. Found at:
<https://www.alamo.edu/WorkArea/DownloadAsset.aspx?id=16261>
5. Bowling Green State U CWLO of 'Participation and Leadership' and progressive rubric.
See: <http://www2.bgsu.edu/offices/assessment/page31466.html>
6. Relationship building: <http://ctb.ku.edu/en/table-of-contents/leadership/leadership-functions/build-sustain-relationships/main>. Chapter 14 Section 7. Building and Sustaining Relationships.

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