

4-year Sampling Rotation for General Education Competencies

OAC Approved

General Education Sampling Rotation

I. The Objective of a General Education Sampling Rotation

The objective of the general education sampling rotation is to focus on a limited number of general education outcomes during each academic year, to use assessment data from those outcomes in a three year trend analyses, and to distribute the responsibility for general education assessment at Lock Haven University in a fair and equitable manner¹. It is anticipated that beginning in AY17-18, the OAC will produce trend analyses of the general education outcomes assessed during the three previous years (see table below).

Academic Year	Trends Analyses
Year One (Beginning in AY17-18)	Oral Communication Historical, Behavioral and Social Sciences Wellness
Year Two	Critical Thinking Natural Science Inquiry Information Literacy (from Critical Thinking)
Year Three	Experiential Learning Mathematical and Computational Thinking Global Awareness and Citizenship
Year Four	Written Communication Philosophical and Literary Inquiry Information Literacy (from Written Communication)

The sampling rotation for general education competencies is graphically displayed in the attached tables. The tables were constructed based on a curriculum map of general education competencies (as reflected in course syllabi)². Departments designate courses within their disciplines to meet general education competencies and those competencies are aligned with the sample rotation. **Importantly, the OAC is requesting that general education sampling be conducted in courses with approved general education competencies only.**

II. Sample Size

In order to meet the minimum requirements for a sample, the OAC will populate the sampling distribution with requested sample sizes for each of the general education competencies during each of the sampling years. The OAC aspires to maintain a consistent sample size of 384³ for each of the general education competencies. This is the recommended number of samples based on enrollment. The OAC will seek input from departments regarding the requested sample size. It is recommended

¹ Based on the Four Year Sampling Distribution no department is responsible for more than **five** assessments during an academic year.

² The sampling rotation is based on classes that have currently been reviewed and approved by the General Education Sub-Committee and forwarded to the University Curriculum Committee. It is anticipated that other classes will be approved for general education competencies. As that happens, the sampling rotation can simply be updated.

³ Linda Suskie, *Assessing Student Learning Outcomes*, 2nd Ed., (San Francisco: Jossey-Bass, 2009), 47.

that a random sampling method be used or that a complete enumeration sample be taken for larger sample sizes. For example:

- If you want to collect a random sample of 12 students in a class of 40, then you can use a systematic sampling procedure (probability sample) by selecting every 3rd student in the class for the sample (i.e. 3rd, 6th, 9th etc...).
- A whole class sample (complete enumeration) is used to collect samples from everyone in the population (or class).

III. General Education Philosophy and Rationale

Lock Haven University General Education Philosophy and Rationale is to provide students with an opportunity to acquire foundational knowledge throughout the curriculum in three broad areas⁴:

- Intellectual Foundation
- Knowledge and Inquiry
- Personal and Social Responsibility

Intellectual foundations includes “skills” that are generalizable to most if not all disciplines (written communication, oral communication, information literacy and critical thinking). **As with the other competencies, the OAC requests that assessment data be obtained from courses with approved competencies only.**

Knowledge and inquiry involves the acquisition of discipline relevant knowledge and modes of inquiry. Students will have opportunities to apply or amplify this knowledge in courses for their majors. As such, the OAC has distributed requests for “relevant knowledge” to departments who have dedicated courses in knowledge and inquiry (e.g. natural science inquiry; historical, behavioral and social sciences). **The OAC requests that assessment data be obtained from courses with an approved competency in knowledge and inquiry.**

Personal and Social Responsibility includes qualifying courses and experiences that promote intrapersonal understanding, and enrich interpersonal knowledge and communication. Similar to the knowledge and inquiry competencies, personal and social responsibility include competencies that have been designated in approved general education courses and courses within the major (e.g. Global Awareness and Citizenship and Wellness). **The OAC requests that assessment data be obtained from courses with an approved competency in personal and social responsibility.**

Also, experiential learning is included in this competency category. Experiential learning is another generalizable skill that is applicable to a number of disciplines. **The OAC requests that assessment data be obtained from courses with an approved competency in experiential learning AND through an approved experiential learning activity not automatically recorded in a course.**⁵

⁴ Adapted from the “Philosophy and Rationale for General Education at Lock Haven University”.

⁵ The Experiential Learning rubric is attached to the Approval and Verification of Experiential Learning Form and is completed by faculty at the conclusion of an experiential learning activity NOT automatically recorded in a course.

IV. Collection of Assessment Data

The OAC asks for samples for each of the general education competencies during the academic year. Departments are then free to develop local procedures to support faculty efforts to collect assessment data. Assessment data can be collected in the Fall or Spring semester and random sampling is recommended. **It is critical that sampling data provided for each of the general education competencies be reported to the OAC using the excel rubric templates.** The OAC's responsibility to aggregate data is facilitated by using rubrics approved by the OAC⁶.

The OAC encourages faculty to indicate the type of sample method used to collect assessment data (e.g. convenience sample, random sample, whole class sample) in the 'Actions' tab on the rubric template.

⁶ OAC approved rubrics are available under "Assessment" from the ACADEMICS tab on the LHUP main website.

BUSINESS, INFORMATION SYSTEMS & HUMAN SERVICES: FOUR YEAR GENERAL EDUCATION SAMPLING ROTATION						
ACADEMIC YEAR		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
DEPARTMENT	COMPETENCY	SAMPLING ROTATION				
ADAC		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Pending					
Business Information & Computer Science		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Mathematical & Computational Thinking			Sample	Sample	Sample
	Historical, Behavioral and Social Sciences	Sample	Sample	Sample		
Criminal Justice		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Pending					
Recreation Management		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Wellness	Sample	Sample	Sample		
	Experiential Learning			Sample	Sample	Sample
Social Work		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Global Awareness & Citizenship			Sample	Sample	Sample
	Experiential Learning			Sample	Sample	Sample
Sport Studies		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Experiential Learning			Sample	Sample	Sample

NATURAL, BEHAVIORAL & HEALTH SCIENCES: FOUR YEAR GENERAL EDUCATION SAMPLING ROTATION						
ACADEMIC YEAR		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
DEPARTMENT	COMPETENCY	SAMPLING ROTATION				
		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
Biology	Written Communication	Sample			Sample	Sample
	Natural Science Inquiry		Sample	Sample	Sample	
Chemistry		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
Geology & Physics		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Natural Science Inquiry		Sample	Sample	Sample	
	Global Awareness & Citizenship			Sample	Sample	Sample
Health Sciences		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Natural Science Inquiry		Sample	Sample	Sample	
	Global Awareness & Citizenship			Sample	Sample	Sample
	Wellness	Sample	Sample	Sample		
Mathematics		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Mathematical and Computational Thinking			Sample	Sample	Sample
Psychology		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	

Psychology		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Historical, Behavioral and Social Sciences	Sample	Sample	Sample		
	Experiential Learning			Sample	Sample	Sample

LIBERAL ARTS & EDUCATION: FOUR YEAR GENERAL EDUCATION SAMPLING ROTATION						
ACADEMIC YEAR		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
DEPARTMENT	COMPETENCY	SAMPLING ROTATION				
		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
Communication & Philosophy	Written Communication	Sample			Sample	Sample
	Oral Communication	Sample	Sample	Sample		
	Critical Thinking		Sample	Sample	Sample	
	Philosophical and Literary Inquiry	Sample			Sample	Sample
	Global Awareness & Citizenship			Sample	Sample	Sample
	Experiential Learning			Sample	Sample	Sample
			AY14-15	AY15-16	AY16-17	AY17-18
PreK - 8 & Professional Studies	Written Communication	Sample			Sample	Sample
	Oral Communication	Sample	Sample	Sample		
	Global Awareness & Citizenship			Sample	Sample	Sample
	Experiential Learning			Sample	Sample	Sample
			AY14-15	AY15-16	AY16-17	AY17-18
English	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Philosophical and Literary Inquiry	Sample			Sample	Sample
	Global Awareness & Citizenship			Sample	Sample	Sample
	Experiential Learning			Sample	Sample	Sample
			AY14-15	AY15-16	AY16-17	AY17-18
Health and Physical Education	Oral Communication	Sample	Sample	Sample		
	Wellness	Sample	Sample	Sample		
	Global Awareness & Citizenship			Sample	Sample	Sample

History, Political Science & Foreign Language		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Historical, Behavioral and Social Sciences	Sample	Sample	Sample		
	Global Awareness & Citizenship			Sample	Sample	Sample
Visual & Performing Arts		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Critical Thinking		Sample	Sample	Sample	
	Philosophical and Literary Inquiry	Sample			Sample	Sample
	Global Awareness & Citizenship			Sample	Sample	Sample
	Experiential Learning			Sample	Sample	Sample
Sociology, Anthropology & Geography		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Critical Thinking		Sample	Sample	Sample	
	Historical, Behavioral and Social Sciences	Sample	Sample	Sample		
	Global Awareness & Citizenship			Sample	Sample	Sample
Special Education		AY14-15	AY15-16	AY16-17	AY17-18	AY19-20
	Written Communication	Sample			Sample	Sample
	Oral Communication	Sample	Sample	Sample		
	Critical Thinking		Sample	Sample	Sample	
	Global Awareness & Citizenship			Sample	Sample	Sample
	Experiential Learning			Sample	Sample	Sample

Revision History

Revision Number	Date	Summary of Revisions Made:
r1	September 30, 2016	<p>p. 1 Footnote 1: Changed “no department is responsible for more than four assessments during an academic year” to “no department is responsible for more than five assessment during an academic year”.</p> <p>p. 5 Chemistry: Add a row for Critical Thinking.</p> <p>p. 5 Health Sciences: Add a row for Natural Science Inquiry and Global Awareness and Citizenship</p> <p>p. 6 Communication & Philosophy: Add a row for Global Awareness and Citizenship</p> <p>p. 6 Health & Physical Education: Add a row for Oral Communication</p> <p>p. 7 History, Political Science & Foreign Language: Add a row for Written Communication</p>

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