

**Alignment of the 2013 University of Guelph Graduate Degree Learning Outcomes and Associated Skills
with the 1987 Learning Outcomes and Ontario Council of Academic Vice-Presidents (OCAV)
Graduate Degree Level Expectations (GUDLEs)
March, 2013**

Critical and Creative Thinking	<i>Critical and creative thinking is a concept in which one applies logical principles, after much inquiry and analysis, to solve problems with a high degree of innovation, divergent thinking and risk taking. Those mastering this outcome shows evidence of integrating knowledge and applying this knowledge across disciplinary boundaries. Depth and breadth of understanding of disciplines is essential to this outcome. At the graduate level, originality in the application of knowledge (master's) and undertaking of research (doctoral) is expected.</i>		
	University of Guelph Graduate Degree Learning Outcomes and Associated Skills (2013)	University of Guelph Learning Objectives (1987)	OCAV GUDLEs
	1. Independent Inquiry and Analysis	7. Understanding Forms of Inquiry 9. Independence of Thought 10. Love of Learning	1. Depth and Breadth of Knowledge 2. Research and Scholarship 3. Level of Application of Knowledge 4. Professional Capacity / Autonomy 6. Awareness of Limits of Knowledge
	2. Problem Solving	5. Understanding Forms of Inquiry 9. Independence of Thought	1. Depth and Breadth of Knowledge 2. Research and Scholarship 3. Level of Application of Knowledge 4. Professional Capacity / Autonomy
	3. Creativity	5. Understanding Forms of Inquiry 8. Depth and Breadth of Understanding 9. Independence of Thought	2. Research and Scholarship 3. Level of Application of Knowledge
	4. Depth and Breadth of Understanding	8. Depth and Breadth of Understanding 10. Love of Learning	1. Depth and Breadth of Knowledge 6. Awareness of Limits of Knowledge

Literacy	<i>Literacy is the ability to extract material from a variety of resources, assess the quality and validity of the material, and use it to discover new knowledge. The comfort in using quantitative literacy also exists in this definition, as does using technology effectively and developing visual literacy.</i>		
	University of Guelph Graduate Degree Learning Outcomes and Associated Skills (2013)	University of Guelph Learning Objectives (1987)	OCAV GUDLEs
	1. Information Literacy	1. Literacy 7. Understanding Forms of Inquiry	2. Research and Scholarship 5. Level of Communication Skills
	2. Quantitative Literacy	1. Literacy 2. Numeracy	2. Research and Scholarship 5. Level of Communication Skills
	3. Technological Literacy	1. Literacy 2. Numeracy	2. Research and Scholarship 5. Level of Communication Skills
	4. Visual Literacy	1. Literacy 7. Understanding Forms of Inquiry	2. Research and Scholarship 5. Level of Communication Skills

Global Understanding	<i>Global understanding encompasses the knowledge of cultural similarities and differences, the context (historical, geographical, political and environmental) from which these arise, and how they are manifest in modern society. Global understanding is exercised as civic engagement, intercultural competence and the ability to understand an academic discipline outside of the domestic context.</i>		
	University of Guelph Graduate Degree Learning Outcomes and Associated Skills (2013)	University of Guelph Learning Objectives (1987)	OCAV GUDLEs
	1. Global Understanding	4. Global Understanding 10. Love of Learning	1. Depth and Breadth of Knowledge
	2. Sense of Historical Development	3. Sense of Historical Development 8. Depth and Breadth of Understanding	1. Depth and Breadth of Knowledge 2. Research and Scholarship 6. Awareness of Limits of Knowledge
	3. Civic Knowledge and Engagement	5. Moral Maturity	4. Professional Capacity / Autonomy
	4. Intercultural Knowledge and Competence	4. Global Understanding 5. Moral Maturity 6. Aesthetic Maturity	4. Professional Capacity / Autonomy 5. Level of Communication Skills

Communicating	<i>Communicating is the ability to interact effectively with a variety of individuals and groups, and convey information successfully in a variety of formats including oral and written communication. Communicating also comprises attentiveness and listening, as well as reading comprehension. It is the ability to communicate and synthesize information, arguments, and analyses accurately and reliably.</i>		
	University of Guelph Graduate Degree Learning Outcomes and Associated Skills (2013)	University of Guelph Learning Objectives (1987)	OCAV GUIDLEs
	1. Oral Communication	1. Literacy 5. Moral Maturity 9. Independence of Thought	2. Research and Scholarship 5. Level of Communication Skills
	2. Written Communication	1. Literacy 5. Moral Maturity 9. Independence of Thought	2. Research and Scholarship 5. Level of Communication Skills
	3. Reading Comprehension	1. Literacy 5. Moral Maturity 9. Independence of Thought	2. Research and Scholarship 3. Level of Application of Knowledge 5. Level of Communication Skills
	4. Integrative Communication	1. Literacy 8. Depth and Breadth of Understanding 9. Independence of Thought	2. Research and Scholarship 3. Level of Application of Knowledge 5. Level of Communication Skills

Professional and Ethical Behaviour	<i>Professional and ethical behaviour requires the ability to accomplish the tasks at hand with proficient skills in teamwork and leadership, while remembering ethical reasoning behind all decisions. The ability for organizational and time management skills is essential in bringing together all aspects of managing self and others. Academic integrity is central to mastery in this outcome. At the graduate level, intellectual independence is needed for professional and academic development and engagement.</i>		
	University of Guelph Graduate Degree Learning Outcomes and Associated Skills (2013)	University of Guelph Learning Objectives (1987)	OCAV GUIDLEs
	1. Teamwork	5. Moral Maturity 9. Independence of Thought	4. Professional Capacity / Autonomy
	2. Ethical Reasoning	5. Moral Maturity 9. Independence of Thought	4. Professional Capacity / Autonomy
	3. Leadership	5. Moral Maturity 9. Independence of Thought 10. Love of Learning	4. Professional Capacity / Autonomy
	4. Personal Organization/ Time Management	5. Moral Maturity 9. Independence of Thought	4. Professional Capacity / Autonomy
	5. Intellectual Independence	9. Independence of Thought	4. Professional Capacity / Autonomy