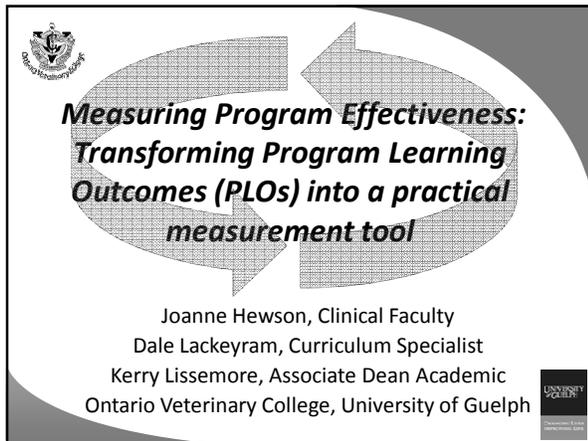
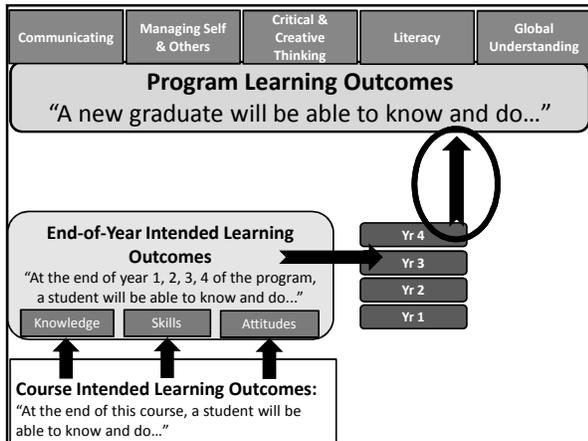
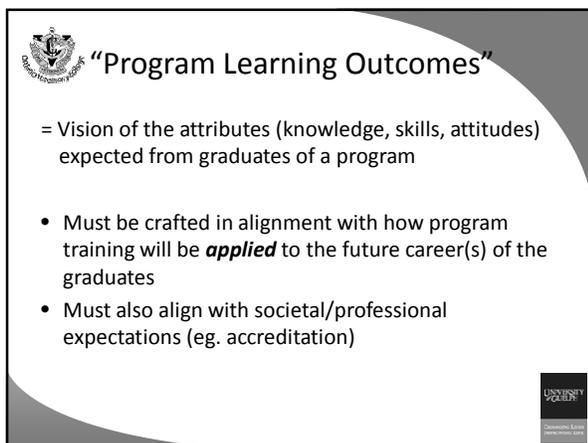


**“Measuring Program Effectiveness:
Transforming Program Learning Outcomes (PLOs) into a practical measurement tool”**

Hewson J, Lackeyram D, Lissemore K.
Ontario Veterinary College, University of Guelph







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University Government Accreditors

Need to show **EVIDENCE** of effectively achieving the PLOs

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This slide features a central grey rounded rectangle with the text 'Need to show EVIDENCE of effectively achieving the PLOs'. Above it are three ovals labeled 'University', 'Government', and 'Accreditors'. The University of Guelph logo is in the top left, and a small 'UNIVERSITY OF GUELPH' logo is in the bottom right.

Our plan for today...

- Introduce the process of creating a behaviorally-based Universal Assessment Rubric derived from Program Learning Outcomes (PLOs)
- Discuss how data from this consistent assessment tool can be used by:
 - Learners
 - Educators
 - Administrators

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This slide has a title 'Our plan for today...' and a bulleted list of two main points. The second point includes a sub-list for 'Learners', 'Educators', and 'Administrators'. The University of Guelph logo is in the top left, and a small 'UNIVERSITY OF GUELPH' logo is in the bottom right.

Workshop Learning Objectives:

By the end of this workshop, participants will be able to:

- Adapt existing PLOs into specific competency statements for assessment
- Develop behavioral descriptors for an identified competency
- Identify a plan for how to integrate a Global Assessment Rubric tool into student assessment within their program or discipline

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This slide has a title 'Workshop Learning Objectives:' and a sub-header 'By the end of this workshop, participants will be able to:'. It follows with a bulleted list of three objectives. The University of Guelph logo is in the top left, and a small 'UNIVERSITY OF GUELPH' logo is in the bottom right.

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Desirable PLO attributes

(Adapted from Albanese et al, Med Ed. 2008)

The Program Learning Outcomes should:

- focus on performance throughout, and at the completion of, the curriculum.
- reflect the ability to apply what is learned in the program.
- be stated in terms of measurable behaviour.
- use a standard for judging competence that is not dependent upon the performance of other learners.
- inform learners and other stakeholders about the program expectations.





Step 1: (Activity)

Create a Program Learning Outcome...

- **On your worksheet, write down an intended PLO (Program Learning Outcome) for your specific discipline.**

“At the end of this program, a student will be able to...”

(Example: “At the end of this program, a student will be able to communicate effectively.”)





Step 2: (Activity)

Expand your PLO in response to the following questions:

- **When is this outcome used in your discipline?**
- **How is it used? (What would that look like?)**

Example: “At the end of this program, a student will be able to:

- communicate effectively with clients
- communicate effectively with colleagues, and
- communicate effectively in written form as medical documentation.”



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Step 3: (Activity)

Select one of your modified outcome statements...

- **List ALL behaviors (sub-skills) that would need to be demonstrated to perform that outcome statement**

“At the end of this program, a student will be able to communicate effectively in written form as medical documentation.”

- Generate complete and accurate documents
- Document case information systematically
- Utilize professional language and style
- Adhere to legislative guidelines for medical records
- Produce written communications in a timely manner





Step 4: (Activity)

Select one of your sub-skills...

- **Write a sentence describing what a student needs to demonstrate in order to indicate that they have achieved this sub-skill to the expectations of the program.**

Meets graduating entry-level expectations

“The student documents case information systematically and logically.”





Step 4: (Activity)

Also...

- **Share this sentence with the person beside you... do they think they can visualize what that behavior actually looks like based on your choice of words? (Modify the sentence as needed.)**

Meets graduating entry-level expectations

“The student documents case information systematically and logically using a problem-oriented medical approach.”



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 **Step 5: (Activity)**

For the same sub-skill...

- **Now write a sentence describing what a student would demonstrate indicating that they have NOT achieved this sub-skill.**

Does NOT meet graduating entry-level expectations

“The student documents case information but lacks a systematic presentation of the information. The logic is difficult to determine despite questions posed for clarification.”



 **Step 6: (Activity)**

Establish a scale/range of performance...

- **What levels of performance do you want to assess?**

Yes, AND	Yes	Yes, BUT	No, BUT	No
Yes, AND	Yes	Yes, BUT	No	
Exceeds graduating entry-level expectations	Meets graduating entry-level expectations	Approaching graduating entry-level expectations	Significant improvement needed	

 **Step 7: (Activity)**

Complete descriptions for the remaining columns...

- **Ensure that the wording clearly differs**

Exceeds graduating entry-level expectations	Meets graduating entry-level expectations	Approaching graduating entry-level expectations	Significant improvement needed
The student documents case information systematically and logically using a problem-oriented medical approach, and conclusions are supported by concise, well organized information.	The student documents case information systematically and logically using a problem-oriented medical approach.	The student documents case information but lacks a systematic presentation of the information.	The student documents case information but lacks a systematic presentation of the information. The logic is difficult to determine despite questions posed for clarification.

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Benefits of Aligning PLOs and Assessment Rubric

Benefits to the learner:

- Makes the educational process truly learner-centred
 - Assessment becomes a more formative experience
 - Assessment criteria are directly relevant to the discipline
 - Assessment criteria are transparent (removes the “mystery” from grading)
 - Rubric standards are uniform across sections
 - Standards give students something to rise to
 - Assessment is based on abilities/behaviors and not on existing relationships





Benefits of Aligning PLOs and Assessment Rubric

Benefits to faculty:

- Empowerment to effect change
- Ownership in the assessment tool
- Gain a holistic perspective of the program
 - How does each activity contribute to achieving the PLOs?
 - Clarify what the specific LOs are for each activity
 - Adopt the sense of being part of the bigger picture
- Allows for the timely and informed use of evidence about learning on an ongoing basis
- Professional development – peers’ standards





Benefits of Aligning PLOs and Assessment Rubric

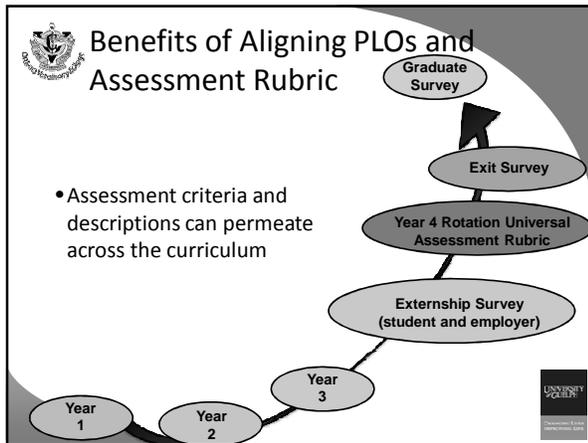
Benefits to the Program

- Contributes to internal quality assurance processes
 - Track student performance over time
 - How is each student doing?
 - How is the program doing in delivering the PLOs?
 - Strategic curriculum reform to optimize efficacy and efficiency
- Enables reporting on the PLOs to internal and external stakeholders
 - Aligns the expectations of multiple stakeholders with how they are achieved in the program



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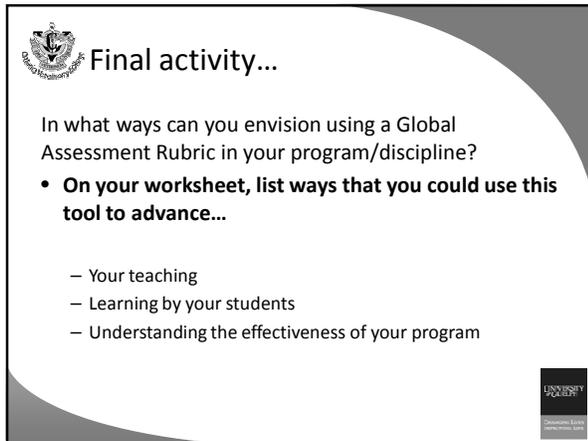
Benefits of Aligning PLOs and Assessment Rubric

- Assessment criteria and descriptions can permeate across the curriculum

Diagram illustrating the alignment of PLOs and Assessment Rubric across the curriculum:

- Year 1
- Year 2
- Year 3
- Externship Survey (student and employer)
- Year 4 Rotation Universal Assessment Rubric
- Exit Survey
- Graduate Survey

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Final activity...

In what ways can you envision using a Global Assessment Rubric in your program/discipline?

- **On your worksheet, list ways that you could use this tool to advance...**

- Your teaching
- Learning by your students
- Understanding the effectiveness of your program

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Thank you!

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