

The background of the slide is a dark, semi-transparent image of the Purdue University clock tower. The tower is a tall, white, brick structure with a clock face near the bottom and a pointed roof with a spire at the top. The text is overlaid on this image.

PURDUE
UNIVERSITY

The Graduate School

Advancing to a Higher Degree

Graduate Student Learning Outcomes Assessment AND Quality of Doctoral Education

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Challenges

1. How to Integrate GSLO based Assessment in Graduate Program Review?
2. How to Plan and Implement GSLO based Assessment?
3. How does GSLO assessment enhance quality of doctoral education?

Answers

1. Almost all Graduate Program Reviews include Outcomes Assessment in their 'Self Study report guidelines'
2. Purdue's example
3. Evident tie between Outcomes Assessment and Quality of Doctoral Education if we focus on Graduate Student's success

Outcomes Assessment

- part of the Graduate Program Review process
- part of the Higher Learning Commission Accreditation process
- is related to student success
- allows graduate students to track their progress
- allows graduate students to be involved in 'performance evaluation'
- allows graduate students to prepare for a spectacular finish

Graduate Student Success

- Successful employment
- Intense competition
- Clear communication of expectation
- Setting the 'bar' high
- Engaging the 'student' in performance evaluation

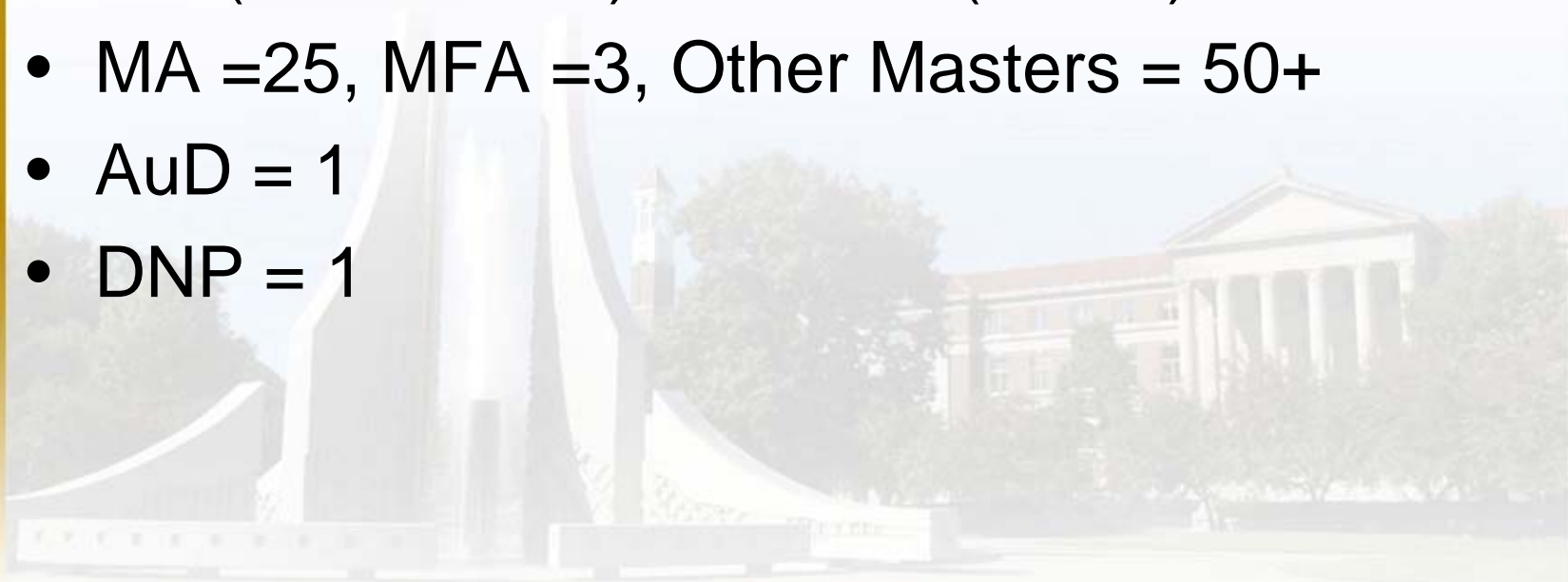
PhD – research based degree

It means a graduate student must be able

- To process immense amount of knowledge
- To think critically and carve out a research niche, develop ideas, hypotheses, methodology, conduct research, etc
- To communicate ideas, methodology, analyses, interpretation, and defend his/her own research
- To do all this in an ethical and responsible manner

Graduate Programs at Purdue

- PhD (Fields of Study) = 70+
- MS (non –thesis) = 53, MS (thesis) = 51
- MA =25, MFA =3, Other Masters = 50+
- AuD = 1
- DNP = 1



Types of Programs

Two types:

1. Research based graduate degrees
2. Course/Project/Internships and combinations, based degrees

Moving from Subjective to Objective evaluations --- is The Challenge!

Advantages of Objective Measure

- Engages graduate students
- Clarifies expectations
- Helps with 'problem cases'
- Identifies problem areas in the program
- Program improvements
- Holds all committee members responsible
- Helps with graduation and retention rates
- Decreases grievances

Measures/Evidence

- Direct evidence
 - Performance in preliminary examination
 - Dissertation proposal defense
 - Dissertation defense
- Indirect evidence
 - Survey of graduating students
 - Job placement
 - Recognitions/awards

PhD Program

- One PhD program – University wide
- PhD degree granted by Graduate school
- PhD is a research based degree
- SL outcome based assessment – course by course ---- does not make sense
- Must look at the ‘holistic’ experience

Master's degrees

Thesis option can be similar to PhD programs

Non thesis option

- similar to UG programs or
- have an 'exam'/'capstone project'
 - a detailed performance rubric or
 - criteria-based evaluation

Purdue's GSLO-based Assessment – planning and implementation

- Graduate Education Advancement committee
- GEA discussions over summer 2007
- Draft example template – 3 step and 6 question template ([PU GSLO template](#))
- Four general overarching GSLO's
- Template had outcomes, related activities, measurable evidences, findings, impact
- Graduate Council involvement – approved at the Jan 2008 meeting.

Templates

- [Purdue University GSLO Template](#)
- [Purdue University Mapping Guide](#)



Milestones of a PhD degree

- Preliminary examination
- Dissertation proposal defense
- Dissertation defense examination
- How can we assess the above?
 - Criteria for Fail, Pass, Outstanding ?
 - Performance Rubric ?
 - Any other format ?

Assessment

- Example Rubrics were provided to stimulate discussions on the 'elements' of the:
 - Preliminary examination
 - Dissertation proposal presentation
 - Final product of PhD degree , the dissertation defense
- [Purdue University Preliminary Examination rubric](#)
- [Purdue University Dissertation Defense Examination rubric](#)

GSLO based Assessment

- Student involvement
- Faculty involvement
- Meaningful and pertinent
- Simple and measurable 'evidence'
- Direct and Indirect measures (multiple measures and frequent measures are preferable)

Performance Rubrics

- Various types - Exist
- However, not very good rubrics for preliminary examination or PhD defense were found.
- Therefore, we had to create them as it was pertinent to the field of study.
- Selection of 'Elements' is the KEY

Rubrics

- Rubric Template
- http://edweb.sdsu.edu/triton/july/rubrics/Rubric_Template.html
- Since PE and DD are a combination of oral presentation/writing/critical thinking etc, we could combine 'elements' from those rubrics.
- Rubric bank for examples
- http://intranet.cps.k12.il.us/Assessments/Ideas_and_Rubrics/Rubric_Bank/rubric_bank.html
- Best is to create one to suit our needs

College of Agriculture Rubrics

- Dr. Dale Whittaker contact person
- Dr. Gene Rhodes (Forestry and Natural Resources created all 'rubrics' in the College of Agriculture Website
- Share point website:
- <http://sharepoint.agriculture.purdue.edu/oap/outcomes/default.aspx?RootFolder=%2foap%2foutcomes%2fShared%20Documents%2fGraduate%20Outcomes%202007%2d08%2fFNR%5fDocuments&View=%7b2733DD5D%2dED92%2d441E%2d9628%2d15AC02311A24%7d>

College of Engineering Rubrics

- Dr. Audeen Fentiman (contact person)
- Mechanical Engineering faculty created it and is being adopted or adapted by schools in College of Engineering
- [Evaluation Rubric: Preliminary Examination-Proposal presentation](#)
- [Evaluation Rubric: Thesis \(MS\) Defense Exam](#)
- [Evaluation Rubric: Dissertation \(PhD\) Defense Exam](#)

College of Pharmacy, Nursing and Health Sciences Rubrics

- Dr. Eric Barker – contact person
- [Student Records Example](#)
- [Advisory Committee Report](#)



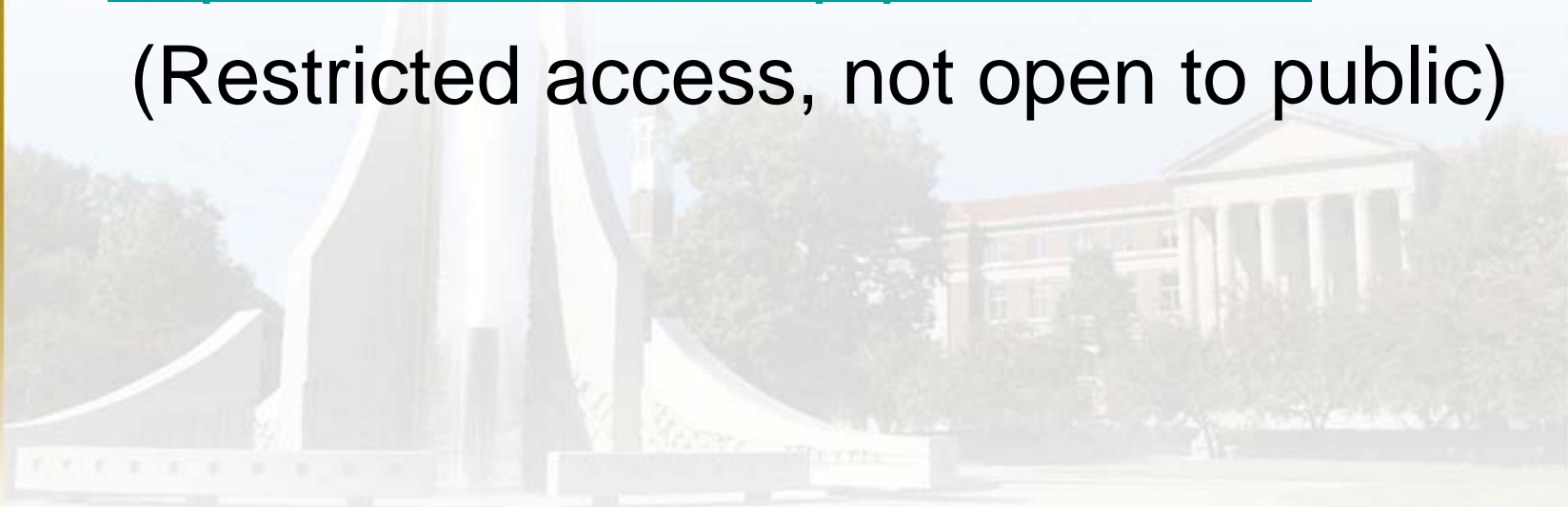
College of Consumer and Family Sciences

- Dr. Shelley MacDermid (contact person)
- [CDFS Criteria Grad Student Review.pdf](#)
- [CDFS Grad Student Review.pdf](#)



BALOTS

- BALOTS – Boilermaker’s Accreditation Learning Outcomes Tracking System
- <https://outcomes.itap.purdue.edu/>
(Restricted access, not open to public)



Follow Up

- Feedback on BALOTS Reporting – Phase I
- Feedback on BALOTS Reporting – Phase II
- Making Rubric examples available to all
- Department presentations
- Purdue University GSLO-based Assessment Activities – Showcase

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- Past Interim dean – Dr. Cyndi Nakatsu

Questions

- ?????
- Thank you very much
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