“The Doctoral Program Prioritization review sought to secure a measure of relative value of doctoral (PhD, EdD, DNP) programs, allowing relative ranking among other doctoral programs at MSU. The process was informed by data and by input from the doctoral degree granting departments at MSU” *

•Launched in Fall 2017 (November) by the Office of the Provost
•In response to the Montana Board of Regents and the Office of the Commissioner of Higher Education

* DPP Final Report (slides created by Clemente Izurieta)
Committee

- Anne Camper: Professor, Civil Engineering, Associate Dean, College of Engineering
- Jayne Downey: Associate Professor, Education
- Alan Dyer: Associate Professor, Plant Science & Plant Pathology
- Tamela Eitle: Vice Provost, Office of the Provost
- Ian Godwin: Associate Director, Office of Planning & Analysis
- Patrick Hatfield: Professor and Department Head, Animal & Range Sciences
- Jeffrey Heys: Professor and Department Head, Chemical & Biological Engineering
- **Karlene Hoo: Committee Chair, Dean, Graduate School**
- Yves Idzerda: Professor and Department Head, Physics
- **Clemente Izurieta: Associate Professor, Computer Science; Member Faculty Senate**
- Timothy LeCain: Professor, History & Philosophy
- Joshua Meyer: Doctoral student, Education
- Nicol Rae: Dean, College of Letters & Science
- Sarah Shannon: Dean, College of Nursing
- Robert Walker: Professor, Chemistry & Biochemistry
- Jovanka Voyich-Kane: Associate Professor, Microbiology & Immunology
Goal

“To secure a measure of relative value of doctoral (PhD, EdD, DNP) programs allowing relative ranking among other doctoral programs at MSU”*

* the work of the DPPC was undertaken to improve the entire portfolio of doctoral programs offered by MSU

* DPP Final Report
Process

• Informed by data and by input from the doctoral degree granting departments at MSU

• Qualitative and quantitative measures

• Insufficient data to allow ranking for some new programs
Assumptions

• Data for the metrics provided by the institutional offices and not self-reported.

• Metrics were discussed with the campus community.

• Programs/departments provided context to metric scores (no change in numerical score).

• Narratives were constructed by the DPPC but informed by the programs/departments responses.
Metrics

• Sixteen individual metrics were chosen and grouped into five categories:
  – Degree & Graduate SCH Production,
  – Selectivity & Program Demand,
  – Expenses & Revenue,
  – Efficiency, and
  – Faculty Prestige.
Metrics

• Averaged over 2013 – 2017 period

• Sources:
  – OCHE Data Warehouse,
  – Registrar's Office,
  – Banner,
  – Courses Database
  – Departments' instructor reports
  – Activity Insight graduate committees
  – Academic Analytics
  – OSP’s "Fiscal Year Expenditures by Colleges and Departments", and
  – OSP’s "Fiscal Year Expenditures by PI" (special report)
Scoring Process

• Ordinal ranking of the sixteen individual metrics

•Rankings were averaged within five categories

•Category subtotals were averaged for final prioritization score
## Program Classification

<table>
<thead>
<tr>
<th>Departments</th>
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<tbody>
<tr>
<td>Nursing</td>
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<tr>
<td>Chemistry &amp; Biochemistry</td>
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<tr>
<td>Physics</td>
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<td>Education</td>
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<td>Microbiology &amp; Immunology</td>
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<tr>
<td>Ecology</td>
<td>HIGHLY EFFECTIVE</td>
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<td>Land Resources &amp; Environmental Sciences</td>
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<td>Computer Science</td>
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<td>Earth Sciences</td>
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<td>Plant Sciences &amp; Plant Pathology</td>
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<td>Mechanical &amp; Industrial Engineering</td>
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<td>Electrical &amp; Computer Engineering</td>
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<td>American Studies</td>
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<td>Mathematical Sciences</td>
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<td>History &amp; Philosophy</td>
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<td>Cell Biology &amp; Neuroscience</td>
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<td>Animal &amp; Range Sciences</td>
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<td>Civil Engineering</td>
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<td>Psychology</td>
<td>NEEDS IMPROVEMENT</td>
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<td>Materials Science</td>
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Final Report

• Has details on all metrics
• Provides a table with all categories and values (appendix has contextualization)
• Provides descriptions of all narratives developed by DPPC for each department
• Provides observations made during the prioritization process