Undergraduate Research in the Context of Engaged Learning

Campus Planning Committee, March 15, 2021

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Proposed Agenda and Goals

• Provide a brief overview of the Institute for Engaged Learning
• Update on our work thus far, including reorganization last summer to align our work with Institute vision and mission
• Specific conversation on CRL Programming, historically and currently (including challenges)
Core HIP Challenges

Equitable Access

Scaling

Fidelity

QUALITY ASSURANCE
Institute for Engaged Learning

• Created in summer of 2018 to address this core challenge of equity and access to HIPs and engaged learning
  • All undergraduate students will receive 4 high-quality engaged learning experiences
  • Use existing resources (no new funding)

• Formed when several centers and units were merged together
  • Center for Research and Learning
  • Center for Service and Learning
  • First-Year Experience
  • ePortfolio
  • Gateway to Graduation
  • RISE to the Challenge
IUPUI Offers a Transformative Experience

First Year Experience
Majors in Schools
Common Intellectual Experiences
Student Life
Learning Communities
Internships
Student Employment
Civic Engagement
ePortfolios
Study Abroad & Internationalization
Capstone Experiences
Undergraduate Research
Profiles & the Record
Goal: Every IUPUI student will receive 4 high-quality & scaffolded engaged learning experiences

- Equity and Scale: Make these experiences pervasive for students (build into curriculum, co-curricular, experiential/applied)
- Equity: carefully track who is participating and succeeding; who is not; make adjustments; importance of the “Record”
- Fidelity: use of taxonomies for professional development; robust tracking and assessment plan of student learning and success
Reimagined, Cohesive FYE Model

- OUR STRONGEST COMBINATION OF INTERVENTIONS
- COORDINATED, SCAFFOLDED CURRICULUM
- EQUITABLE ACCESS FOR ALL STUDENTS
- BUILD STRONG SENSE OF BELONGING

- SIGNATURE IUPUI EXPERIENCE
- EARLY EXPOSURE TO HIGH IMPACT PRACTICES
- HOLISTIC ACCLIMATION – SOCIAL AND ACADEMIC

Orientation ➔ Bridge Week ➔ Enhanced FYS
Importance of FYE

Foundational experiences are essential to student success and improving our retention rates

Fall 2018 to Fall 2019 retention rates

<table>
<thead>
<tr>
<th>Intervention</th>
<th>Retention Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>No intervention</td>
<td>56%</td>
</tr>
<tr>
<td>FYS only</td>
<td>72%</td>
</tr>
<tr>
<td>+ Bridge</td>
<td>78%</td>
</tr>
<tr>
<td>+ TLC</td>
<td>77%</td>
</tr>
<tr>
<td>+ Bridge &amp; TLC</td>
<td>81%</td>
</tr>
</tbody>
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Working to layer an additional HIP within FYE
- learning communities
- project based learning (innovation challenge)
- service learning
- global learning (new Dept of Ed grant with Hilary Kahn)
- undergraduate research
Pathway Experiences

Service Learning / Community Engagement
Internships
Undergraduate Research
Study Abroad

Course Based Experiences (Collaborative Assignments, Project-Based Learning, Global Learning) – promote equity

Use of ePortfolio for integrative learning across experiences:
FYE-Pathway-Capstone
Capstone Experience

University-wide Community of Practice (CoP)
Use capstone taxonomy to improve practice – develop some common, equitable experiences across campus
Alignment to our Profiles of Learning for Undergraduate Success – the “Profiles” (Communicator, Problem Solver, Innovator, Community Contributor)

https://profiles.iupui.edu/

Public display of competence
Capstone showcases within Schools
Engaged Learning Showcase at end of Spring Semester
Tracking and Assessment

**EXPERENTIAL AND APPLIED LEARNING RECORD**

What is The Record?

The Experiential and Applied Learning Record is a registrar verified document that demonstrates your experiences and learning across seven achievement categories.

**Seven Achievement Areas**

- Global Engagement
- Service
- Leadership
- Internship/Career Development
- Research
- Diversity
- Creative Expression

As a student at IUPUI, you will have numerous experiential, applied, integrative, and engaged learning experiences. These experiences will teach you how to communicate information and complex ideas, develop innovative solutions to real-world problems, and embrace civic engagement and service in partnership with your local and global communities. The Record is designed to provide you and potential employers with a better tool to verify your experiences and your overall learning.
For more information and a list of approved experiences, visit: getengaged.iupui.edu/record
Current Student Experiences on The Record*

• 370 experiences have been approved
• 2,516 unique students have experiences listed in Record/SIS
• 550 students have achieved 2 experiences
• 129 students have achieved 3 experiences
• 187 students have achieved 4 or more experiences
• 2,909 total student experiences are listed on the Record (does not include multiple semesters of the same experience)

Data current as of 3/1/2021
Reorganization

• Integrate **Pathway Programming** into one, cohesive unit
  • Cohort Programs (DSRP, SHJ, Bonner, and JLN)
  • Project-based Learning (SLA/CEA, UROP, MURI)
  • Develop shared processes that will benefit student recruitment, retention and learning
    • Marketing of opportunities
    • Application process
    • Review of applications and selection of students
    • Gather data to ensure we have equity throughout the entire process
    • Transition some programs from scholarships to paid-employment model for students
Reorganization

• ALL existing CRL programs remains in-tact at historical levels of funding and student engagement
  • Current AY Cycle
    • 13 MURI Projects (all faculty mentor PIs have worked with CRL previously)
    • 19 UROP Projects (17 are returning students)
    • 23 DSRP Students (9 are FYS)
  • Currently accepting applications for summer programs (MURI, UROP, DS-UROP, DSIRE)
• Ongoing engagement with CRL Advisory Board
MURI and UROP

• CRL has served 192 students through MURI and UROP over last 2 years
  • 173 of these students did one experience with CRL (i.e. 1 summer program, or 1 academic year program)
  • 15 students did two experiences (like an academic year and summer);
  • 4 students did three experiences (like two academic years and 1 summer)

• Students with majors in School of Science and School of E&T make up 83.8% of these students
MURI and UROP

• Race/Ethnicity
  • 57.2% of the students are white (69.2% w/o international students)
  • 17.3% are international students -------
  • 8.1% are Asian (9.79%)
  • 7.7% are Latin-X (10.49%)
  • 6.4% are Black (7.7%)
  • 2.3% are two or more races (2.8%)
  • 16.2% are first-generation
  • 19.7% are Pell eligible

IUPUI Undergrad Student Population is 25% URM, 41% Pell, and 28% first-gen
What are we doing about this?

- Being very intentional and explicit in our marketing and recruitment of students

- Establishing partnership and collaborating with existing offices on campus
  - OVCR
  - Educational Equity Programs (EEP) in UCOL
  - Admissions (high school recruitment)

- New, intentional efforts to expand undergraduate research programming into arts & humanities
  - Creation of [Humanities Lab](https://example.com) (w/ Jason Kelly and the Arts & Humanities Institute)
Reorganization

• Faculty Fellow Model
  • Rotate in and out of the Institute (2-year renewable appointments)
  • Professional growth and leadership opportunity for faculty
  • New ideas and energy; diversity of perspectives and viewpoints
  • Eyes and ears within the Schools – where the work is taking place
  • Summer salary/extra compensation; fewer full-time staff lines

• Hire two faculty fellow to assist with undergraduate research programming
  • STEM fellow (Steve Higbee from School of E&T) and HASS fellow
  • Assist with pursuing grant opportunities (leveraging existing strengths); helping to identify and recruit new faculty mentors; helping us to facilitate professional development programming for mentors; expertise in student programming