Undergraduate Research in the Context of Engaged Learning

Campus Planning Committee, March 15, 2021

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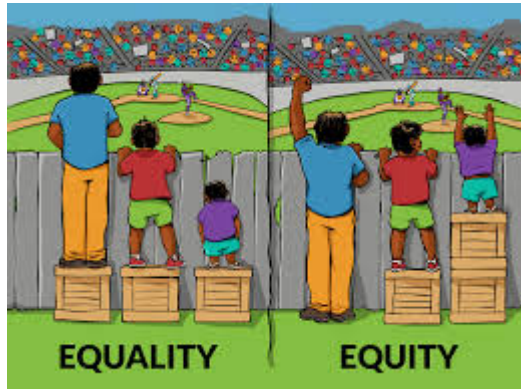jamglad@iupui.edu

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
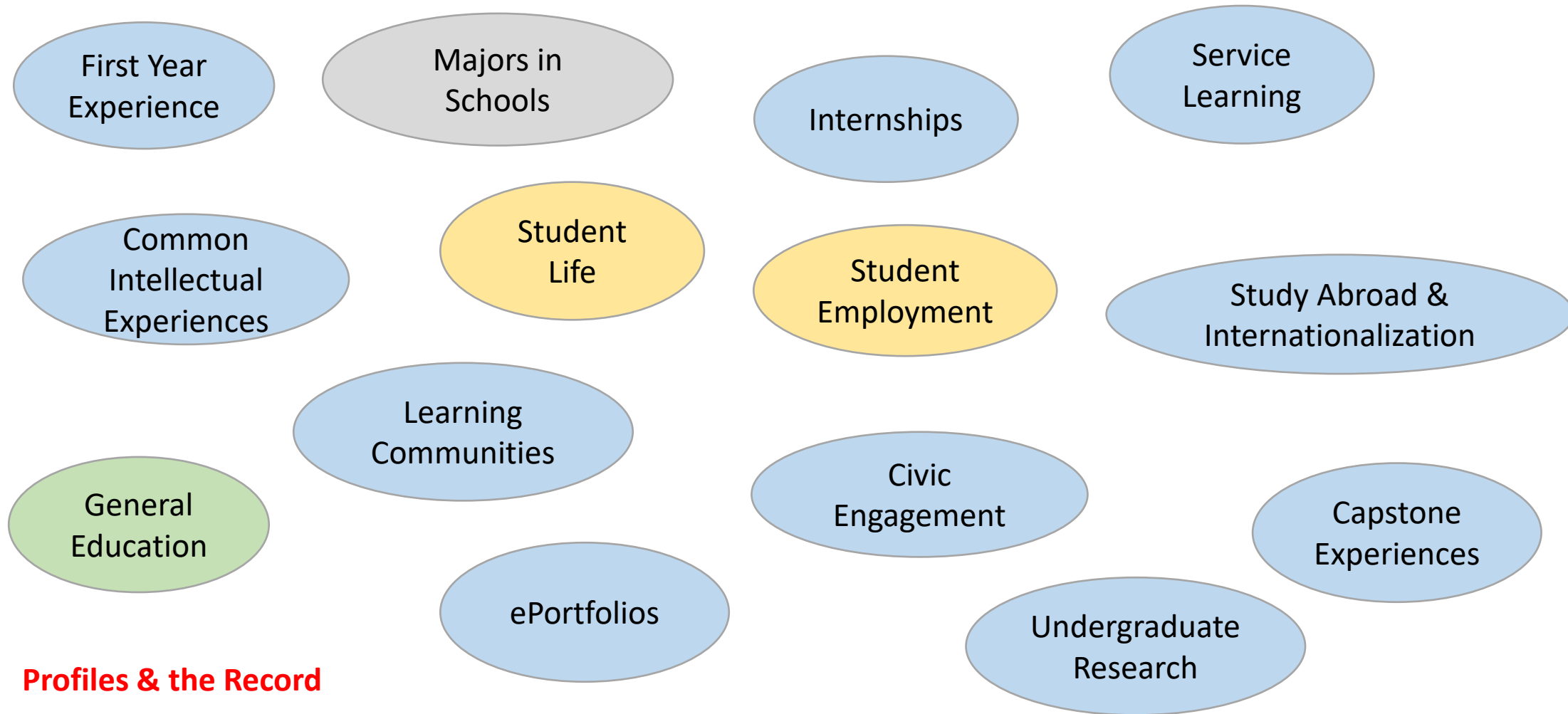

Scaling

Fidelity

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

Internships

Service Learning

Common Intellectual Experiences

Student Life

Student Employment

Study Abroad & Internationalization

Learning Communities

General Education

Civic Engagement

Capstone Experiences

ePortfolios

Undergraduate Research

Profiles & the Record

IUPUI

Goal: Every IUPUI student will receive 4 high-quality & scaffolded engaged learning experiences

Foundational Experiences

Building a strong foundation for future learning experiences

Pathway Experiences

Gaining transferrable skills and experiences; exploring options and interests

Capstone

Integrating across the college experience; showcasing learning and identity

Student Experiences with Engaged Learning at IUPUI

- 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

Orientation → Bridge Week → Enhanced FYS

- 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

Importance of FYE

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

Fall 2018 to Fall 2019 retention rates

No intervention: 56%

FYS only: 72%

+ Bridge: 78%

+ TLC: 77%

+ Bridge & TLC   81%

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

EXPERIENTIAL 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.
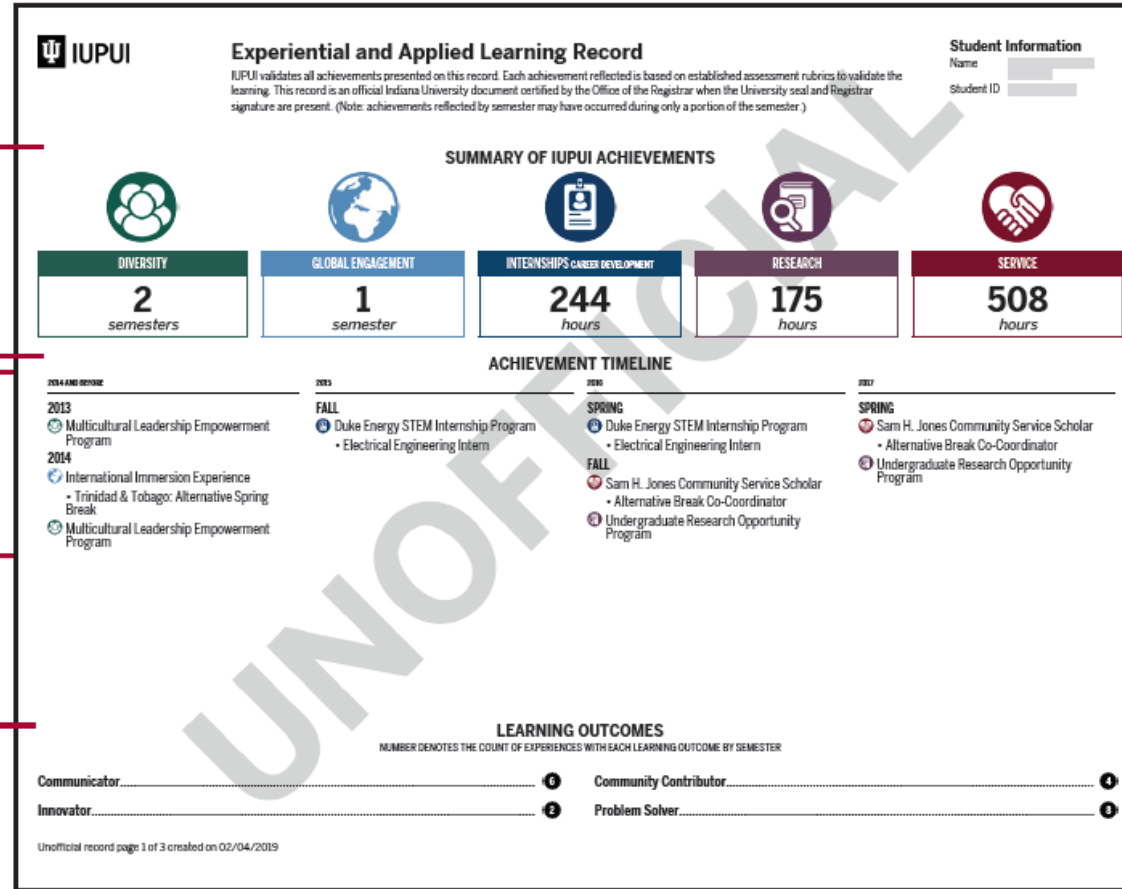
Visual representation of experience showing which achievement area and number of hours/semesters earned

A full timeline detailing all achievements

Learning outcomes as related to the Profiles of Learning for Undergraduate Success at IUPUI

Experiential and Applied Learning Record

IUPUI validates all achievements presented on this record. Each achievement reflected is based on established assessment rubrics to validate the learning. This record is an official Indiana University document certified by the Office of the Registrar when the University seal and Registrar signature are present. (Note: achievements reflected by semester may have occurred during only a portion of the semester.)

Student Information
Name
Student ID

SUMMARY OF IUPUI ACHIEVEMENTS

DIVERSITY	GLOBAL ENGAGEMENT	INTERNSHIPS CAREER DEVELOPMENT	RESEARCH	SERVICE
2 semesters	1 semester	244 hours	175 hours	508 hours

ACHIEVEMENT TIMELINE

2014 AND BEFORE

2013
Multicultural Leadership Empowerment Program
2014
International Immersion Experience
 • Trinidad & Tobago: Alternative Spring Break
Multicultural Leadership Empowerment Program

2015

FALL
Duke Energy STEM Internship Program
 • Electrical Engineering Intern

2016

SPRING
Duke Energy STEM Internship Program
 • Electrical Engineering Intern
FALL
Sam H. Jones Community Service Scholar
 • Alternative Break Co-Coordinator
Undergraduate Research Opportunity Program

2017

SPRING
Sam H. Jones Community Service Scholar
 • Alternative Break Co-Coordinator
Undergraduate Research Opportunity Program

LEARNING OUTCOMES
NUMBER DENOTES THE COUNT OF EXPERIENCES WITH EACH LEARNING OUTCOME BY SEMESTER

Communicator............................6 Community Contributor............................4
Innovator............................2 Problem Solver............................3

Unofficial record page 1 of 3 created on 02/04/2019

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For more information and a list of approved experiences, visit: getengaged.iupui.edu/record
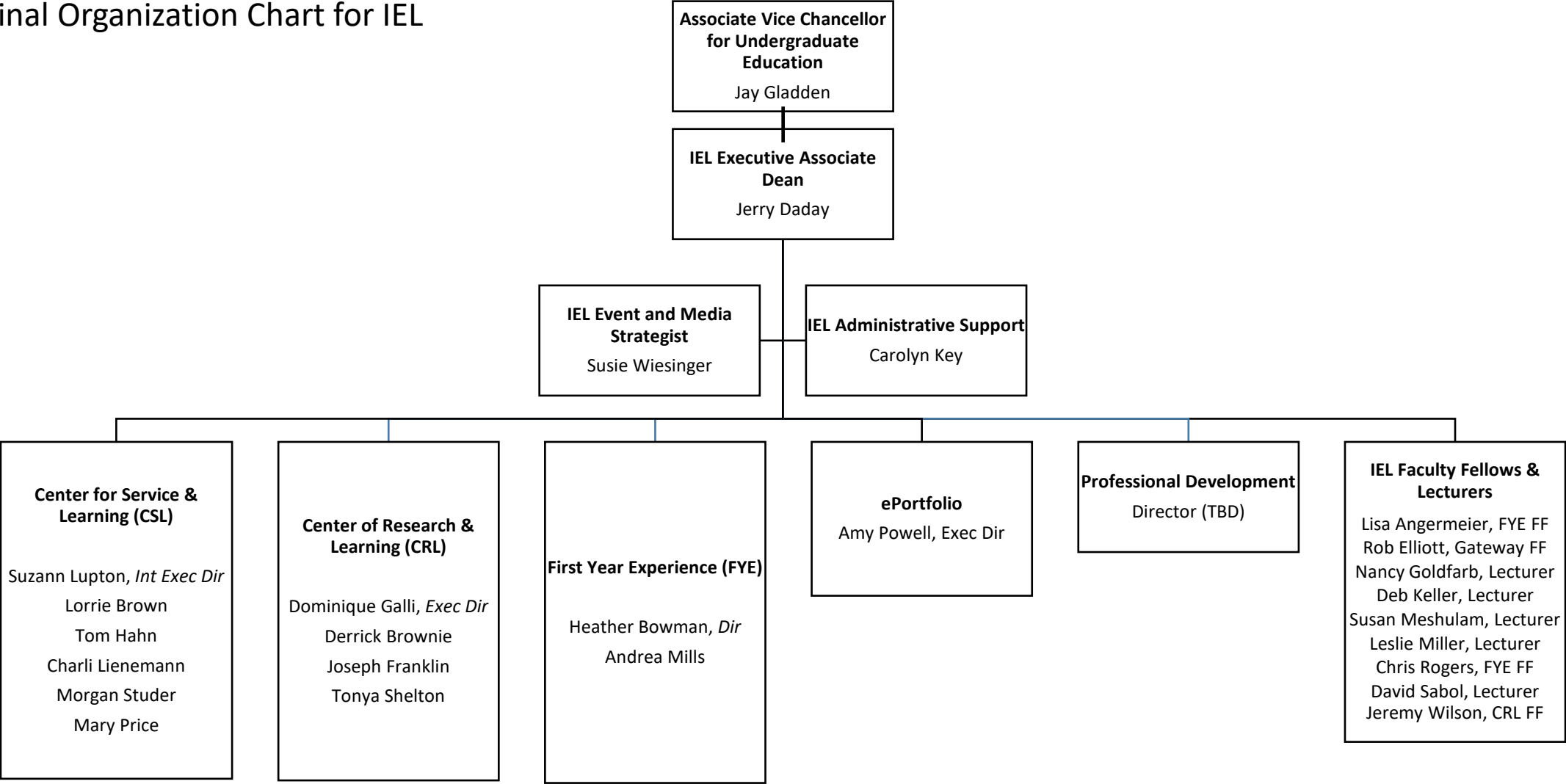
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Current Student Experiences on The Record*

- 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

IUPUI

Original Organization Chart for IEL

Associate Vice Chancellor for Undergraduate Education
Jay Gladden

IEL Executive Associate Dean
Jerry Daday

IEL Event and Media Strategist
Susie Wiesinger

IEL Administrative Support
Carolyn Key

Center for Service & Learning (CSL)

Suzann Lupton, *Int Exec Dir*
Lorrie Brown
Tom Hahn
Charli Lienemann
Morgan Studer
Mary Price

Center of Research & Learning (CRL)

Dominique Galli, *Exec Dir*
Derrick Brownie
Joseph Franklin
Tonya Shelton

First Year Experience (FYE)

Heather Bowman, *Dir*
Andrea Mills

ePortfolio
Amy Powell, Exec Dir

Professional Development
Director (TBD)

IEL Faculty Fellows & Lecturers

Lisa Angermeier, FYE FF
Rob Elliott, Gateway FF
Nancy Goldfarb, Lecturer
Deb Keller, Lecturer
Susan Meshulam, Lecturer
Leslie Miller, Lecturer
Chris Rogers, FYE FF
David Sabol, Lecturer
Jeremy Wilson, CRL FF

Published: 10/30/19

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 (w/ Jason Kelly and the Arts & Humanities Institute)
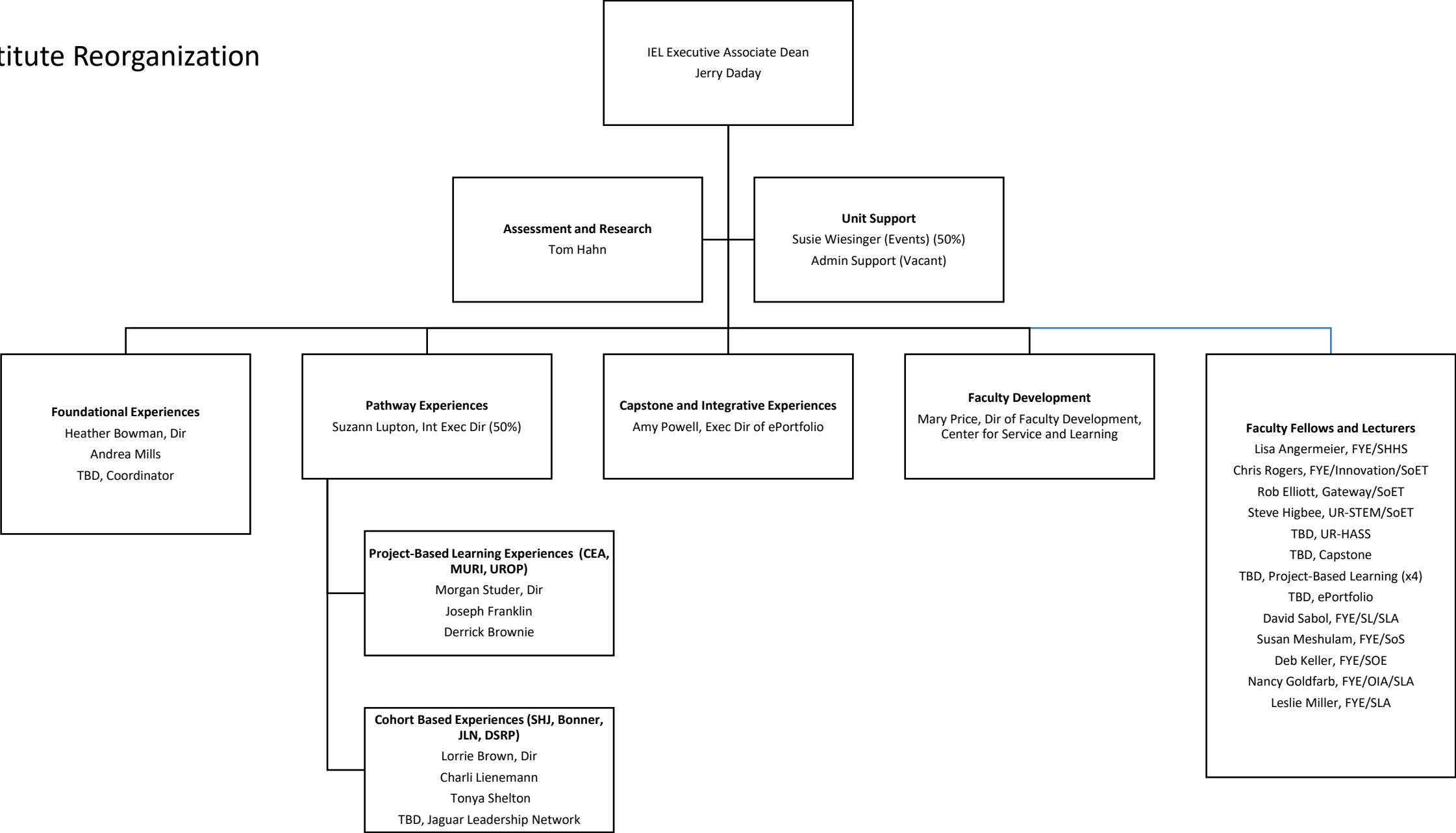
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Reorganization

- 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

Institute Reorganization

IEL Executive Associate Dean
Jerry Daday

Assessment and Research
Tom Hahn

Unit Support
Susie Wiesinger (Events) (50%)
Admin Support (Vacant)

Foundational Experiences
Heather Bowman, Dir
Andrea Mills
TBD, Coordinator

Pathway Experiences
Suzann Lupton, Int Exec Dir (50%)

Capstone and Integrative Experiences
Amy Powell, Exec Dir of ePortfolio

Faculty Development
Mary Price, Dir of Faculty Development,
Center for Service and Learning

Faculty Fellows and Lecturers
Lisa Angermeier, FYE/SHHS
Chris Rogers, FYE/Innovation/SoET
Rob Elliott, Gateway/SoET
Steve Higbee, UR-STEM/SoET
TBD, UR-HASS
TBD, Capstone
TBD, Project-Based Learning (x4)
TBD, ePortfolio
David Sabol, FYE/SL/SLA
Susan Meshulam, FYE/SoS
Deb Keller, FYE/SOE
Nancy Goldfarb, FYE/OIA/SLA
Leslie Miller, FYE/SLA

Project-Based Learning Experiences (CEA, MURI, UROP)
Morgan Studer, Dir
Joseph Franklin
Derrick Brownie

Cohort Based Experiences (SHJ, Bonner, JLN, DSRP)
Lorrie Brown, Dir
Charli Lienemann
Tonya Shelton
TBD, Jaguar Leadership Network

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