Greetings from the College of Innovation and Design (CID). I am writing this to you, our supporters and friends, as a way to share the highlights stemming from our first academic year in operation. It has been a year filled with exciting new initiatives, many success stories and, of course if you are going to dream big, a few learnings that will inform the coming years ahead.

I can say without reservation that CID is a special place with an innovative mission. We exist to catalyze change across Boise State University and intentionally design our programs to serve as a model for public universities confronting the multitude of challenges facing higher education today. We aspire to ensure that Boise State is delivering relevant education that leverages all the teachers, tools and technologies available to yield an affordable, accessible, high-quality education. In the words of President Bob Kustra when conceiving the College of Innovation and Design, “CID will leverage the speed, collaboration and risk-taking of a start-up to re-imagine the way the university teaches, learns and conducts research at Boise State. Collaborations between faculty, industry and students will yield new degrees, certificates and experiential learning opportunities that pave ways to learning that are more in sync with employer requirements for the workforce of tomorrow.”

As many in our community are aware, the culture of Boise State is to never stop innovating and we have a reputation for being a university that is “on the move.” This includes a history of bold thinking and big vision – from the blue football field to rapid academic transformation to creating an exceptional value in higher education. The transformative mission of CID reflects this culture as we set about helping the university maximize its impact – on student learning, faculty research and economic impact in the state of Idaho and beyond.

I want to thank the hundreds of supporters and friends of CID here in the Treasure Valley, in Idaho and nationwide. Where do we go from here? Please read on to learn about the College of Innovation and Design and our first year getting about the work of preparing and transforming higher education to face a future that will look better than our past!

Gordon Jones
Founding Dean, College of Innovation and Design
GUIDING STATEMENT

CID will leverage the speed, collaboration and risk-taking of a start-up to re-imagine the way the university teaches, learns and conducts research at Boise State. Collaboration between faculty, industry and students will yield new degrees, certificates and experiential learning opportunities that pave ways to learning that are more in sync with employer requirements for the workforce of tomorrow.

- President Bob Kustra

SCOPE

INNOVATING WITHIN THE UNIVERSITY
CID serving as a mechanism to encourage faculty and students to conduct research, teach and learn across disciplinary boundaries in ways beyond the current structural or cultural norms of a traditional university.

IMAGINING THE FUTURE UNIVERSITY
CID exploring and piloting new pathways of learning (for credit, badging or non-credit) with an emphasis on experiential, applied learning and individual customized education.

INSPIRING THE UNIVERSITY & COMMUNITY CONNECTION
CID identifying new ways in which the university can engage with the workplace and community to develop competencies aligned with emerging workplace requirements.

APPROACH

New CID initiatives develop when interested faculty from Boise State (in some cases in partnership with collaborators) propose to solve unaddressed opportunities that align with CID’s purpose, scope and available resources. Any CID initiative must demonstrate a pathway to viability and scale to ensure its ability to reach its transformative potential. For current CID initiatives, each faculty director evaluates his or her program and reports on progress against expectations. For those that reach maturity, CID will seek to ‘graduate’ initiatives outside of CID to another college at Boise State. We believe this will enhance the ability of CID to pursue multiple opportunities while enhancing the velocity and impact of all colleges across the university.
INITIATIVES
Gaming, Interactive Media and Mobile Technology (GIMM)
Leadership and Human Relations Certificate (LEAD)
Human Environment Systems (HES)
Vertically Integrated Projects (VIP)
Bridge 2 Career (B2C)
Venture College
IDEO U
Work University Cooperative Education (Work U)
HBX Immersion at Boise State (HBX)
Idaho Entrepreneur Challenge (IEC)
SECTION ONE
INNOVATING INSIDE THE UNIVERSITY

At CID we believe that innovating inside the university is about addressing the structural and cultural impediments that prevent faculty and students from crossing disciplinary boundaries in support of research and student learning. From new majors to innovative combinations of research and teaching, to birthing a new transdisciplinary academic unit, read on to learn more about our work.

INITIATIVES

GIMM       Dr. Anthony Ellertson
LEAD       Dr. Heidi Reeder
HES        Dr. Nancy Glenn
VIP        Associate Dean Dr. Will Hughes

D.I.Y (DESIGN IT YOURSELF) | 3 MINS

Fill in the blanks (MadLibs style) to help define what you believe the role of CID inside the university should be.

CID is a place where ______________ (adjective) things happen by ______________ (verb) and ______________ (noun) that enable and encourage ______________ (university stake-holder) to ______________ (verb), ultimately ______________ (word ending in ‘ing) how higher education exists today.

Learn about College of Innovation and Design from our perspective. CID grows only as fast as ideas spark to life. Interact and write your ideas. Better yet, share your ideas and let’s collaborate.
GAMING, INTERACTIVE MEDIA AND MOBILE TECHNOLOGY
GAMING, INTERACTIVE MEDIA AND MOBILE TECHNOLOGY (GIMM)

FACULTY LEADER
Dr. Anthony Ellertson

PURPOSE
The emerging workplace of tomorrow will require graduates capable of creating products for the Internet of things. Drawing from the fields of art, psychology and computer science, GIMM is a crossdisciplinary, project-based degree that empowers students to create authentic learning experiences that manage technology at work for work. In collaboration with industrial sponsors and project management faculty, GIMM students design-build-test IT applications, virtual and augmented reality learning environments and novel devices.

WON THE NATIONAL 2015 WOW AWARD FROM WCET FOR VIRTUAL TRAINING IN NURSING
STUDENT ENROLLMENT IN GIMM WAS 200% ABOVE ORIGINAL PROJECTIONS
INDUSTRY PARTNERSHIP WITH DAIMLER NORTH AMERICAN TRUCK DIVISION

To learn more, visit: cid.boisestate.edu/gimm
LEADERSHIP AND HUMAN RELATIONS CERTIFICATE
LEADERSHIP AND HUMAN RELATIONS CERTIFICATE (LEAD)

FACULTY LEADER
Dr. Heidi Reeder

PURPOSE
Effective leadership is critical for our civic, government and business organizations to deliver their missions. Traditional undergraduate institutions often overlook the opportunity to invest in building leadership capability and skills into our students. LEAD is a certificate program that integrates the fields of leadership and personal development to train leaders who will make a difference in Idaho and beyond.

With 16-credits of upper-division coursework, students investigate concepts that promote leadership, and use those concepts to develop their innovative, high-integrity approach to leading people and organizations forward. LEAD courses are taught by top-notch coaches with both academic and real-world experiences that model leadership in multiple contexts.

DR. HEIDI REEDER IS A FORMER CARNEGIE FOUNDATION PROFESSOR OF THE YEAR FOR IDAHO

TOP NOTCH LEADERSHIP COACHES INCLUDING CURRENT AND FORMER STATE LEGISLATORS, LEADERS IN LARGE ORGANIZATIONS AND PROFESSIONAL MEDIATORS

STUDENTS ENROLLED IN LEAD IN A SINGLE SEMESTER

To learn more, visit: cid.boisestate.edu/leadership
HUMAN ENVIRONMENT SYSTEMS
HUMAN ENVIRONMENT SYSTEMS (HES)

FACULTY LEADER
Dr. Nancy Glenn

PURPOSE
HES is developing effective solutions to complex environmental problems and training a new generation of students to meet the challenges facing society. Our research focuses on coupled human environment systems — systems in which natural and societal dynamics influence productivity and sustainability. Understanding and influencing these systems requires radical collaboration and transdisciplinary knowledge creation; our innovative curriculum in transdisciplinary communication and problem solving is bringing these skills to students across our campus. By integrating across the biophysical and social sciences and engaging with our partners locally and across the globe, we are supporting the development of sustainable trajectories for our communities and their coupled natural environments.

To learn more, visit: cid.boisestate.edu/hes
VERTICALLY INTEGRATED PROJECTS
VERTICALLY INTEGRATED PROJECTS (VIP)

FACULTY LEADER
Associate Dean Dr. Will Hughes

PURPOSE
The premise behind forming a research university is to allow for the close connection between research, teaching and service. Too often in universities, accessing research faculty and participating in that work is not available to large numbers of students, especially undergraduates. VIP unites undergraduate education and faculty research in vertically integrated teams. Within these teams, students earn academic credit for design/discovery efforts that assist faculty with large-scale research and development issues of local and global importance. VIP teams are by design: (a) multidisciplinary – drawing students from all disciplines; (b) vertically integrated – maintaining a mix of freshman to faculty; and (c) long term – each student may participate for the duration of their education. Providing course credit rewards engagement, while aligning the needs of students, faculty and funding agencies maximizes its impact.

This year, CID launched 6 multidisciplinary VIP teams including: Shelter Project, Plasma Medicine, Automatic Music Transcription, Immersive Virtual Reality, Open Earth Observations, GIMM Lab, and Science of Art.

$5 MILLION GIFTED FROM THE LEONA M. AND HARRY B. HELMSLEY CHARITABLE TRUST TO CREATE A NATIONAL VIP NETWORK.

$100,000 NSF GRANT SECURED BY BOISE STATE TO SPARK INTELLECTUAL RISK-TAKING AMONG VIP TEAMS

NATIONAL UNIVERSITIES ADOPT VIP PROVIDING A ROBUST NETWORK TO EXPLORE HIGHER EDUCATION REFORM

To learn more, visit: cid.boisestate.edu/vip
IMAGINE

Learn about College of Innovation and Design from our perspective.

CID grows only as fast as ideas spark to life. Interact and write your ideas. Better yet, share your ideas and let’s collaborate.

SECTION TWO
IMAGINING THE FUTURE OF THE UNIVERSITY

At CID, imagining the future university is about ensuring that the pursuit and attainment of an undergraduate degree includes the conveyance of skills and competencies that meet the demands of emerging workplace needs.

INITIATIVES

B2C
Venture College
Ideo U
Work U

Jack Marr
Dr. Kevin Learned
Dr. Jay George
Dr. Jay George

D.I.Y (DESIGN IT YOURSELF) | 3 MINS

How would you inspire the future of our college?
Ideate on the post-it notes below!
BRIDGE 2 CAREER
BRIDGE 2 CAREER (B2C)

FACULTY LEADER
Jack Marr

PURPOSE
B2C is a set of elective courses designed to help students build foundational skills in areas that employers want and students need to know to be effective in today’s workforce. From coding to creative problem solving to negotiations to finance, students learn practical skills informed by local employer demand. B2C courses prepare students to enter the Idaho workforce ready to apply their knowledge and skills. Courses are open to all students and all disciplines – reinforcing our belief that professional skills are universal skills.

COURSES INCLUDE:
- Basics of Coding
- Basics of Business
- Fundamentals of Negotiations
- Learning How to Learn
- Professional Work Skills
- Creative Problem Solving

175 STUDENTS ENROLLED IN OUR FIRST SEMESTER OF B2C CLASSES

PRACTICAL, WORKPLACE-DRIVEN SKILLS LAUNCHED IN SPRING 2016, GROWING TO 12 IN FALL 2016

To learn more, visit: cid.boisestate.edu/b2c
VENTURE COLLEGE

FACULTY LEADER
Dr. Kevin Learned

PURPOSE
Venture College is a co-curricular learning environment that operates on the principle that every university student should have the opportunity to apply the ideas being taught in the classroom. Venture College programs allow motivated students to access expertise and build the skills necessary to take their own ideas and projects as far as they can go. For some students, their efforts may culminate in starting ventures that provide gainful employment and economic growth to the local and regional economy. For all students, they will find Venture College programs foster the development of key traits such as tenacity, adaptability and creativity that many employers are seeking from today’s college graduates. Venture College operates with the support of 400 volunteer experts from the community who invest their time and resources to ensure this cross-university resource is a success.

$736,000: TOTAL REVENUE FOR VENTURE COLLEGE TEAMS PARTICIPATING IN 2015
FIRST PROGRAM AT BOISE STATE TO AWARD ‘BADGES’ TO STUDENTS WHO DEMONSTRATE COMPETENCY IN KEY SKILLS
500 STUDENTS PARTICIPATED IN VENTURE COLLEGE PROGRAMMING IN 2016

To learn more, visit: venturecollege.boisestate.edu
IDEO U

FACULTY LEADER
Dr. Jay George

PURPOSE
IDEO (Innovation, Design, Engineering Organization) is the premier global design group founded by David Kelly from Stanford University. His work on user-centered design has inspired thousands of organizations to think, design and solve problems in new ways with impressive results. As IDEO looked to expand its work beyond advising organizations to educating individuals on their methods, they formed a new unit, IDEO U, and chose to partner with Boise State’s College of Innovation and Design to pioneer a new concept for teaching their methodology and techniques to university students.

At CID, we created a new course for students using the IDEO U online curriculum combined with an in-person class for students to practice and apply the creative problem-solving skills they were learning. Students learn to use non-traditional skills like observation and interviewing to develop insights that lead to innovations. This year’s course focused on developing insights that could lead to new products or services for “the modern 70-year-old.”

To learn more, visit: cid.boisestate.edu/blog/insights-into-ideo-and-innovation
WORK UNIVERSITY
COOPERATIVE EDUCATION
(WORK U)

FACULTY LEADER
Dr. Jay George

PURPOSE
Work U is an elective course that allows students to simultaneously learn in the classroom and on the job. It dissolves the barrier between classroom knowledge and workplace success by embedding students in work environments where their contributions count – for credit. For employers, Work U supports the recruitment and vetting of future employees in a high-value, applied learning environment. For students, Work U is an opportunity to experience workforce demands, identify and internalize key success principles and adopt a professional mindset. In support of employers and students, weekly classes taught by Boise State instructors will draw upon student work experiences as case studies for personal and professional development.

VISION IS TO EXPAND TO HUNDREDS OF STUDENTS AND DOZENS OF EMPLOYERS
FALL 2016 LAUNCH WITH ST. LUKE’S REGIONAL MEDICAL CENTER AS INAUGURAL PARTNER
MONTHS: THE TIME IT TOOK FROM CO-OP CONCEPT TO OFFICIAL PROGRAM LAUNCH

To learn more, visit: cid.boisestate.edu/work-u
SECTION THREE
INSPIRING THE UNIVERSITY AND COMMUNITY CONNECTION

At CID, inspiring the university and community connection is about reimagining how a university engages the community in ways and that address issues like lifelong learning and marketplace demands.

INITIATIVES

HBX
Dean Gordon Jones
IEC
Dr. Kevin Learned

D.I.Y (DESIGN IT YOURSELF) | 3 MINS

From student to community and vice versa! What would you like to see students and the community working on together? Ideate in the mind map below!
HBX
DIGITAL EDUCATION INITIATIVE
FROM HARVARD BUSINESS SCHOOL
HBX IMMERSION AT BOISE STATE

INITIATIVE LEADER
Dean Gordon Jones

PURPOSE
A new collaboration between Harvard Business School’s digital education initiative, HBX, and Boise State University will bring the HBX Credential of Readiness (CORe) program to students statewide. The collaboration will allow Boise State students the option to earn university credit and receive a Credential of Readiness from HBX. Boise State is the first public university to offer HBX CORe to its students through an integrated program. Collaborations like this allow Boise State to deliver world-class content locally for our students while maintaining affordability and increasing access for all.

1
BOISE STATE IS THE FIRST PUBLIC UNIVERSITY TO OFFER HBX CORe TO ITS STUDENTS THROUGH AN INTEGRATED FOR-CREDIT PROGRAM

9
COURSES TAUGHT ONLINE BY SENIOR HARVARD BUSINESS SCHOOL FACULTY AND IN-PERSON BY INSTRUCTORS FROM BOISE STATE

CREDIT HOURS OF TUITION STUDENTS PAY TO RECEIVE BOTH ACADEMIC CREDIT AND THE HBX CREDENTIAL OF READINESS*

*(Must pass exam)

To learn more, visit: cid.boisestate.edu/hbxcore
IDAHO ENTREPRENEUR CHALLENGE
IDAHO ENTREPRENEUR CHALLENGE (IEC)

FACULTY LEADER
Dr. Kevin Learned

PURPOSE
The Idaho Entrepreneur Challenge (IEC) is a statewide venture competition that provides $100,000 in seed funding underwritten by Zions Bank. The IEC is designed to showcase the entrepreneurial talent that exists at Boise State University and across all of Idaho's colleges and universities. IEC gives collegiate innovators the tools, support and networking opportunities needed to accelerate their ventures. In 2016, participation was outstanding with 75 teams entered from five distinct Idaho campuses. In March, 23 finalist teams pitched their ventures to judging panels comprised of local and national experts followed by a public expo attended by more than 200 community members.

$100,000 IN SEED FUNDING SPLIT BETWEEN 12 WINNING TEAMS

STUDENT TEAMS FROM ACROSS IDAHO PARTICIPATED

47 JUDGES FROM BOISE, SALT LAKE CITY, LOS ANGELES, SAN FRANCISCO AND BOSTON

5 PARTICIPATING COLLEGES: BOISE STATE UNIVERSITY, UNIVERSITY OF IDAHO, BYU-IDAHO, NORTHWEST NAZARENE UNIVERSITY AND COLLEGE OF WESTERN IDAHO

To learn more, visit: cid.boisestate.edu/iec
Dean Gordon Jones announcing the College of Innovation and Design at the 2015-16 Boise State University Convocation.

Associate Dean Will Hughes convening faculty fall 2015 to reimagine Boise State University into the future.
WITH GRATITUDE

I want to extend my thanks to the dedicated team of innovators, designers, collaborators and forward thinkers who work every day with CID to make it all come together. We have enjoyed a warm partnership with dozens of faculty, administrators and hundreds (if not thousands) of students, all of whom make the work of CID special. One shout out in particular goes to CID Associate Dean Will Hughes who has been an instrumental partner in helping make CID what it is today (and into the future!).

SUPPORT OUR WORK

Interested in learning how to support the work of the College of Innovation and Design? Please contact me at gojones@boisestate.edu.

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