Online Graduate Certificate in
Online Teaching and Learning Practices
Certificate Requirements (12 Cr.)
Required Courses (6 cr.)

- R521: Instructional Design & Development I (3 cr.)
- P632: Designing for Learning in Context (3 cr.)

Strand Requirement (6 cr.)
Select one strand and two courses within that strand

Designing Experiences
R541 Instructional Development and Production I (3 cr.)
R542 Instructional Graphics Design (3 cr.)
R547 Computer Mediated Learning (3 cr.)
R622 Learning Environments Design (3 cr.)
R685 Topical Seminar in Instruction Systems Technology: Learning through Complex Problem Solving (3 cr.) **or** P674 Advance Topical Seminar in Learning Sciences: Learning through Complex Problem Solving (3 cr.)
R685 Topical Seminar in Instruction Systems Technology: Technology Innovations and Computing (3 cr.)

Equity and Cultural Inclusion for Diverse Learners
P631: Theorizing Learning in Context (3 cr.)
R685: Topical Seminar in Instruction Systems Technology: Online Professional Development for Cultural Inclusion (3 cr.)
D524: Power and Voice in Adult Education Programs (3 cr.)

Adult Education:
D505: Adult Learning through the Lifespan (3 cr.)
D506: Adult Education Planning and Development (3 cr.)
D525: Introduction to Distance Education Systems in Adult Education (3 cr.)

New Degree Cover Sheet

Title of Degree: Online Graduate Certificate in Online Teaching and Learning Practices

Campus(es) Offering Degree: IU - Bloomington

**Academic Unit
Proposing Degree:**   Instructional Systems Technology and Learning Sciences

**Department
Hosting Degree:**   Instructional Systems Technology

* Please note – this this document cannot exceed two pages. All responses must fit in the allotted space using 10-point font.

I. Academic Features

Goals/Objectives *(Rationale for the Program):*

This 4-course certificate program represents a cross-disciplinary offering between the Indiana University - Bloomington's Learning Sciences and Instruction Systems Technology Programs. In this practice-based program, learners will create and design online instructional and learning materials with particular focus on application in context. The program comprises four primary goals: (1) Learners will develop deep practical and theoretical understanding of practices, strategies, theory, and approaching in facilitating learning online and hybrid spaces. (2) Learners will create and design online instructional and learning materials with particular focus on application in context. (3) Learners will gain flexible understanding of research-based strategy and application. (4) Learners will translate research-based ideas into practice within self-selected applied contexts.

This 12-credit graduate certificate program will be composed of the following requirements across the Instructional Systems Technology and Learning Sciences programs at IU-Bloomington built off existing courses:
Required Courses:
- R622: Learning Environments Design
- P632: Designing for Learning in Context

Strand Requirement students select one strand and two courses within that strand):
- Designing Learning Experiences
- Equity and Cultural Inclusion for Diverse Learners
- Adult Education

Relation to Existing Programs (4a&b):

This proposed certificate program offers the opportunity for students to gain expertise developing experiences for online teaching and learning, and is "stackable" to any number of master's degree programs in the School of Education, to include, but not limited to, Master's of Education in Instructional Systems Technology, Master's of Education in Learning Sciences, and Master's of Education in Adult Education.

Coherence with <u>Campus</u> Mission (2a):

Recent educational pressures associated with the COVID-19 pandemic have accelerated the pace of enrollments in online education. This provides academic institutions with both opportunity and challenge: we must expand our capacity to provide more ways to meet the needs that confront teachers and educators, and to pursue Indiana University's mission "…to provide broad access to undergraduate, graduate, and continuing education for students throughout Indiana, the United States and the world..." To meet local, state, and national needs, this certificate program offers potential students the ability to learn about the theory, principles, and practices of Online Teaching and Learning in a convenient online medium and earn a certificate from Indiana University that can be used to promote themselves in the workforce.

Benefits of the Program for Constituents (2c, iv):

Students

> In addition to the expertise students will gain in the Online Teaching and Learning Practices certificate, we anticipate that the program will meet teacher requirements for Professional Growth Plan (PGP) points in Indiana and can fulfill Continuing Education Unit (CEU) requirements, thus attracting individuals interested in this certificate as a form of continued professional learning.

IU

> Indiana University will gain increased visibility for meeting local, regional, and state demands and mitigating pressures on educational institutions resultant the COVID-19 pandemic.

State

> While the instance of a widespread global pandemic has increased the pressures for expertise in in design and development of online education, there has always been a consistent need for professionals with expertise in online delivery methods. Thus, these professionals will gain targeted skill and expertise in a high-need area.

Opportunities for Degree Recipients (5f) Inclusive of Any Credentials:

> Presently, there are over 56,000 teachers and over 24,000 faculty, part-time faculty, and graduate assistants who teach in Indiana. In addition, there are countless number of other professionals who provide educational and instructional services across a wide range of industries such as health sciences, banking, military, and computing.
> While the instance of a widespread global pandemic has increased the pressures for expertise in in design and development of online education, there has always been a consistent need for professionals with expertise in online delivery methods. Furthermore, professions in *Educational Services* are identified as growth areas based on projections by the U.S. Department of Labor.[1] Individuals with skills in learning design, instructional technology, and online education are likely to experience high rates of employment within formal and informal educational settings.

II. Implementation:

Steady State Enrollment/Degree Completion Projections (year five) (enrollment spreadsheet):

Headcount:	25
FTE:	10
Degree Recipients:	20

Steady Resources (year five):

Faculty Resources (3i)

> No additional resources required

Capital Equipment (3iii)

> No additional resources required

Facilities (3ii)

> No additional resources required

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[1] Source: https://www.bls.gov/emp/tables/employment-by-major-industry-sector.htm

Program Description

Online Graduate Certificate in <u>Online Teaching and Learning Practices</u>

1. <u>Characteristics of the Program</u>

    a.   Campus(es) Offering Program: IUB

    b.   Scope of Delivery (Specific Sites or Statewide): Statewide

    c.   Mode of Delivery (Classroom, Blended, or Online): Online

    d.   Other Delivery Aspects (Co-ops, Internships, Clinicals, Practica, etc.): n/a

    e.   Academic Unit(s) Offering Program: Instructional Systems Technology, Learning Sciences, and Adult Education

2. <u>Rationale for the Program</u>

    a.   Institutional Rationale (Alignment with Institutional Mission and Strengths)

Technological advancements, rapidly changing work environments, and current conditions associated with the COVID-19 pandemic present challenges which require new knowledge and skills. Educators are in high demand who are committed to helping learners overcome challenges and attain deeper levels of knowledge and skill. As such, we need educators who expertly engage practices for online teaching and learning.

The certificate program in *Online Teaching and Learning Practices* addresses important state and national needs to prepare professionals with foundational skills while offering flexible strands to meet individual goals depending on local contexts. This online certificate will be especially attractive to people who teach or develop online courses and programs, yet do not have a relevant master's degree or associated skills. The online certificate provides a foundational background in online learning and instruction, as well as the diverse philosophical and theoretical contexts of online education.

Recent educational pressures associated with the COVID-19 pandemic have accelerated the pace of enrollments in online education. For example, in 2017-18, only about 21 percent of K-12 public schools and 13 percent of private schools offered any courses entirely online.[1] By the time the pandemic hit peak school closures in Spring 2020, over 55 million U.S. children were experiencing online education, while educators, schools, districts, and state administrators struggled to meet a wide range of demands.[2] While some states have returned to in-person instruction, estimates of another national outbreak continue to underscore the need for all teachers and educational professionals to be prepared for fully online education until the risks of widespread infection are mitigated. This provides academic institutions with both opportunity and challenge: we must expand our capacity to provide more ways to meet the needs that confront teachers and educators, and to pursue Indiana University's mission "…to provide broad

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[1] Source: https://nces.ed.gov/fastfacts/display.asp?id=79
[2] Source: https://www.epi.org/publication/the-consequences-of-the-covid-19-pandemic-for-education-performance-and-equity-in-the-united-states-what-can-we-learn-from-pre-pandemic-research-to-inform-relief-recovery-and-rebuilding/

access to undergraduate, graduate, and continuing education for students throughout Indiana, the United States and the world…" [3]

To meet local, state, and national needs, this certificate program offers potential students the ability to learn about the theory, principles, and practices of online teaching and learning in a convenient online medium and earn a certificate from Indiana University that can be used to promote themselves in the workforce. This certificate is also consistent with Indiana's goal of advancing the continuous learning for all educational professionals.[4] Finally, this certificate is proposed to meet goals reflected in the 2012 report titled *Reaching Higher, Achieving More,* which documents priorities for innovative models for learning and education.[5] More specifically, this certificate program will create unique opportunities for flexible, accelerated, high-quality learning experiences.

Students enrolled in the certificate program for *Online Teaching and Learning Practices* will meet the following 12-credit hour requirements:

Required Courses:
· R622: Learning Environments Design
· P632: Designing for Learning in Context

Strand Requirement (select one strand and two courses within that strand – course substitutions allowed):
1. Designing Experiences:
   - R541 Instructional Development and Production I (3 cr.)
   - R542 Instructional Graphics Design (3 cr.)
   - R547 Computer Mediated Learning (3 cr.)
   - R622 Learning Environments Design (3 cr.)
   - R685 Topical Seminar in Instruction Systems Technology: Learning through Complex Problem Solving (3 cr.) or P674 Advance Topical Seminar in Learning Sciences: Learning through Complex Problem Solving (3 cr.)
   - R685 Topical Seminar in Instruction Systems Technology: Technology Innovations and Computing (3 cr.)
2. Equity and Cultural Inclusion for Diverse Learners:
   - P631: Theorizing Learning in Context
   - R685: Topical Seminar in Instruction Systems Technology: Online Professional Development for Cultural Inclusion (3 cr.)
   - D524: Power and Voice in Adult Education Programs

3. Adult Education:
   - D505: Adult Learning through the Lifespan
   - D506: Adult Education Planning and Development
   - D525: Introduction to Distance Education Systems in Adult Education

   b. Evidence of Labor Market Need

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[3] Source: https://archive.president.iu.edu/initiatives/principles.shtml
[4] Source: https://www.doe.in.gov/sites/default/files/news/indiana-continuous-learning-guidance-final.PDF
[5] Source: https://www.in.gov/che/files/2012_RHAM_4_26_12.pdf

Presently, there are over 56,000 K-12 teachers[6] and over 24,000 postsecondary faculty, part-time faculty, and graduate assistants[7] who teach in Indiana. In addition, there are countless number of other professionals who provide educational and instructional services across a wide range of industries such as health sciences, banking, military, and computing.

We anticipate that the certificate will meet teacher requirements for Professional Growth Plan (PGP) points in Indiana and can fulfill Continuing Education Unit (CEU) requirements, thus attracting individuals interested in this certificate as a form of continued professional learning. As our graduate degree programs have a history of attracting professionals from the health sciences, these individuals will likely be interested in this certificate program. We argue this is especially true given the interdisciplinary nature of the program.

While the instance of a widespread global pandemic has increased the pressures for expertise in in design and development of online education, there has always been a consistent need for professionals with expertise in online delivery methods. Furthermore, professions in *Educational Services* are identified as growth areas based on projections by the U.S. Department of Labor.[8] Individuals with skills in learning design, instructional technology, and online education are likely to experience high rates of employment within formal and informal educational settings.

4. <u>Similar and Related Programs</u>

    a.   List of Programs and Degrees Conferred

        i.   Similar Programs at Other Institutions
- Purdue University and Purdue Global: Graduate Certificate in Instructional Design and Technology

        Campuses offering (on-campus or distance education) programs that are similar:

- N/A

       ii.   Related Programs at the Proposing Institution

- Indiana University - Bloomington, Instructional Systems Technology: Graduate Certificate in Instructional Systems Technology
- Indiana University – Bloomington, Learning Sciences: Graduate Certificate in Learning Sciences, Media, and Technology

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[6] Source: https://www.edweek.org/topics/states/indiana/index.html
[7] Source: https://ballotpedia.org/Higher_education_in_Indiana#Faculty
[8] Source: https://www.bls.gov/emp/tables/employment-by-major-industry-sector.htm

Graduate Studies Committee Template

Prior to presenting at the Graduate Studies Committee (GSC) for review, please provide answers to the following questions, as relevant. Please contact Matthew Boots (mboots1@iu.edu) with any questions.

Title: _____ Online Graduate Certificate in *Online Teaching and Learning Practices* _____

GSC presenter: _____ Krista Glazewski _____

This proposal is for a...

      ☐ program change   ☒ new program   ☐ policy change   ☐ new policy

Include responses to each question, as relevant:

1. What are you proposing and why? (If proposing a change, then the description and rationale should be relevant to the change(s) only.)
   (see attached)

2. How will this impact enrollment?

3. How will this impact students' time to degree?

4. How will this impact specific student populations and/or DEI issues?
   There are 2 ways in which we tend to address DEI issues within this program:

   - Targeted strand focus: Applicants can select the "Equity" strand if they are specifically interested in considering issues of equity in online spaces

   - The 2 required courses (R622 and P632) will be redesigned prior to implementation to increase emphasis on issues of equity and inclusion in online spaces, particularly as it relates to relevant issues for marginalized populations, to include access, resources, and pedagogies.

   1)

5. How will this impact School of Education resources, including faculty loads?

6. How will this be effectively sustained over time?

7. What was the departmental vote tally for this proposal? (e.g., "*12 in favor, 2 opposed, 3 abstained*") IST: 9 Yes and 1 No   CEP 26 Yes, 1 abstain (EAD), 0 No