



LILIE, LLC Course Information

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**More detailed course curriculum, including graduate level, alignment with standards, culturally responsive practices, assessments and resources, can be provided upon request*

Title of Course: AI for Inclusive Education: Empowering Equity, Diversity, and Inclusion

Course Description: "AI for Inclusive Education: Empowering Equity, Diversity, and Inclusion" is designed to equip educators with the knowledge, skills, and strategies necessary to effectively integrate Artificial Intelligence (AI) technologies into their teaching practices while fostering an inclusive and equitable learning environment.

Participants will explore the dynamic intersection of AI and education using real-world examples of AI enhanced learning experiences and applications. They will gain insights into the key concepts of Equity, Diversity, and Inclusion (EDI) and learn about the importance of EDI in addressing biases and promoting fairness within AI including how AI can tailor content to individual students' needs and diverse learning styles, create unbiased grading assessment methods, mitigate biases, make education more accessible for culturally underrepresented groups, and design AI driven curriculum materials that promote EDI.

Instructor Consultation and Interaction

The course is an asynchronous online course that is available for instructor and student participation 24/7. The four-week duration of the class is broken down into four weekly sections each comprised of lecture in the form of instructor created articles and content, web links to academic and professionally reviewed articles in the discipline of general education, and instructor created discussion questions which are, in and of themselves, formative assessments to determine the extent to which the enrollees have comprehended and mastered the skills and information and begun to apply it to their personal teaching practices. The answers to these questions are the basis for the class interaction, as enrollees are required to respond to each other within the classroom.

Proof of Course Completion

LILIE, LLC is committed to assuring that enrollees fully participate in and receive the educational benefits provided by the course. Enrollees must demonstrate participation by making detailed postings designed to foster dialogue among colleagues and instructor that reflect the content, skills/ strategies learned and assessments covered in course. These enrollee postings must be made six times each week, in separate sessions, and including a minimum of 4 academic posts and at least 2 peer-peer comments of others' postings and possible shared assignments. Enrollees are required to submit a detailed reflective feedback n in combination with the archived work. Attempts to falsify record or discussion board entries will result in denial of credit and a report to the enrollee's employer.



Scope & Sequence/Weekly Topics and Objectives

Session I

Objectives	<ul style="list-style-type: none"> • Explore Culturally Responsive teaching and grow their critical consciousness and set goals for creating a brave learning space • Research and elaborate on the profound impact of inequity and how to ensure equity within their educational setting • Investigate how to tailor learning experiences for all students through the use of specific AI-driven technologies • Develop and implement AI-driven technologies and research strategies tailored to address the specific needs and challenges faced by marginalized or underserved student populations, aiming to enhance their access to quality education, improve learning outcomes, and foster greater inclusivity within the educational setting
Topics	<ul style="list-style-type: none"> • Culturally responsive practices • Equitable practices • AI-Driven Technologies associated with ensuring equitable practices • Personalized Learning • AI-Driven Technologies to support culturally responsive practices • Creation of an inclusive and equitable learning environment
Application to Instruction & Student Learning	<p>Educators will delve into a variety of resources to assess their own biases as well as an examination of various AI platforms that will empower them with the essential knowledge, skills, and strategies to seamlessly incorporate Artificial Intelligence (AI) technologies into their teaching methods. Educators will be focused on creating an inclusive and equitable learning environment and will gain insights into how AI can positively impact diverse student populations. This knowledge can be directly applied to classroom practices, including lesson planning and personalized instruction. Understanding the role of AI in addressing the needs of marginalized and underserved students is fundamental, laying the foundation for the development of equitable teaching practices. Ultimately, educators will learn to alleviate academic anxiety and tailor their approaches to address individual learning styles stemming from underserved or marginalized backgrounds.</p>

Session II

Objectives	<ul style="list-style-type: none"> • Assess their own implicit biases and collaborate their views with peers • Synthesize research surrounding equitable assessments and the role that AI plays in ensuring equity • Explain how AI can dismantle accessibility barriers for students with disabilities and from marginalized or underrepresented groups • Reflect upon how they can use AI to create an inclusive and accessible learning environment
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	<ul style="list-style-type: none"> • Develop competency in leveraging AI to promote equity and inclusivity in education by understanding how AI-driven platforms facilitate personalized learning through the analysis of students' learning patterns and needs, thereby ensuring equal opportunities for undeserved or marginalized groups to succeed
Topics	<ul style="list-style-type: none"> • Examining implicit bias and addressing it in the classroom • Develop inclusive assessments, tailored to diverse groups of students, through the use of AI • How AI can dismantle accessibility barriers for students with disabilities and from marginalized or underrepresented groups • Reflect upon knowledge gained at the midway point of the course •
Application to Instruction & Student Learning	<p>By dissecting exemplar approaches to recognizing and addressing implicit biases, educators can gain insight into their own preconceptions and prejudices, fostering a more inclusive and equitable learning environment. This professional development initiative equips educators with the knowledge and tools to champion inclusive education, emphasizing how AI can play a pivotal role in supporting these efforts by providing personalized learning experiences and resources that cater to the diverse needs of all students. Ultimately, these ideas empower educators to confront their biases and advocate for inclusivity, ultimately enhancing student learning and success.</p> <p>By the end of this session, educators will be able to:</p> <ol style="list-style-type: none"> 1. Identify at least three exemplar approaches to recognizing and addressing implicit biases, demonstrating understanding through written reflections or group discussions 2. Complete a self-assessment activity to evaluate their own preconceptions and prejudices 3. Develop a personalized action plan outlining specific strategies for fostering a more inclusive and equitable learning environment, integrating insights gained from dissecting exemplar approaches 4. Analyze the role of AI in promoting inclusive education through use of the provided resources and their own research/experiences, providing examples of how AI can provide personalized learning experiences and resources tailored to diverse student needs 5. Engage in peer feedback sessions to share and refine their action plans, demonstrating readiness to champion inclusive education and confront biases in their teaching practices

Session III

Objectives	<ul style="list-style-type: none"> • Explore the importance of linguistic development in education • Explain some of the specific challenges that students, particularly English Language Learners, face • Provide strategies to support these groups of students • Describe how AI-driven technologies can assist students who are facing linguistic challenges • Research data-driven instruction and how AI can be leveraged to support it • Reflect upon how teachers are currently being trained on the use of AI and how teachers can begin to incorporate AI into their practice • Develop proficiency in addressing the challenge of ensuring inclusion and equity for AI in education by identifying and overcoming common obstacles for undeserved or marginal groups such as: basic technological infrastructure to establish conditions conducive to implementing AI-driven strategies aimed at enhancing learning outcomes, algorithmic bias, or other limitations
Topics	<ul style="list-style-type: none"> • Linguistic barriers and language diversity • AI-driven technologies to support students in the classroom • Striking a balance between using AI-driven technologies and encouraging students to develop their language skills in the language of instruction • Data driven instruction and AI resources that support it • Teacher preparation and training in AI
Application to Instruction & Student Learning	<p>Strategies to improve instruction play a crucial role in revealing the potential of AI in education across various domains. When addressing linguistic barriers, educators can showcase how AI-powered translation tools break down language obstacles, enabling non-native speakers to access educational content effectively. Demonstrating the impact of AI-driven data-driven instruction can highlight how it aids educators in identifying disparities in student performance and tailoring</p>

	<p>interventions. Additionally, these presentations can emphasize the significance of training teachers in AI integration. By showcasing the benefits of professional development programs that empower educators with AI proficiency, the presentations encourage a more tech-savvy teaching workforce, ready to harness AI's capabilities for personalized learning. The projects inspire a shift towards an education system that leverages AI to overcome linguistic hurdles, enhance data-driven instruction, and equip educators with the skills to navigate the evolving landscape of AI in education.</p> <p>By the end of this session, educators will be able to:</p> <ol style="list-style-type: none"> 1. Present at least two strategies for improving instruction with AI across different educational domains, providing examples and case studies to illustrate their effectiveness 2. Conduct a demonstration of AI-powered translation tools to showcase how they address linguistic barriers, receiving positive feedback from peers on the clarity and accessibility of the presentation 3. Analyze the impact of AI-driven data-driven instruction on student performance disparities, presenting findings from a research study or case study analysis and discussing implications for instructional practice 4. Participate in a peer review session to provide constructive feedback on fellow educators' presentations and proposals, demonstrating readiness to collaborate and support colleagues in leveraging AI for personalized learning
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Session IV

Objectives	<ul style="list-style-type: none"> • Foster a brave learning space by leveraging AI • Consider and reflect upon the ethical implications of using AI in preK-12 education • Create a plan to incorporate ethical AI into their current practice • Reflect upon the transformative power of AI in fostering inclusive education • Foster understanding and awareness of the ethical challenges associated with Artificial Intelligence (AI) in education among teachers and students by researching applications of AI in educational settings and studying how algorithmic bias can impact students from marginalized or undeserved groups
Topics	<ul style="list-style-type: none"> • Brave learning space and how to create one using AI-driven technologies as a support • Ethical considerations of using AI in PreK-12 education • Create a plan for incorporating ethical AI into practice • Reflect upon course findings
Application to Instruction & Student Learning	<p>Strategies for creating brave learning spaces integrated with AI technologies represent a powerful approach to enhance education. Brave learning spaces promote open dialogue and critical thinking, and the integration of AI can further enrich these environments by personalizing learning experiences and fostering inclusive practices. However, the ethical considerations of AI in education are paramount. Educators must be vigilant about data privacy, algorithmic fairness, and equitable access. Reflecting on these ethical aspects, how can we ethically harness AI's potential to create brave learning spaces that benefit all students, regardless of their backgrounds or abilities? Participants will explore the practical steps required to integrate AI responsibly and inclusively. Crafting an action plan that outlines your approach to implement AI in your teaching practice, ensuring that it aligns with ethical guidelines and supports the development of brave learning spaces that empower students to thrive.</p>