4/1/2024 DATE
☐ REQUIRED COURSE
☑ ELECTIVE COURSE

Humanities DIVISION
☑ NEW COURSE
☐ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	LIB-120	**TITLE:** *(30 Characters Max)*	Introduction to Generative AI							**ECH:**	3
SEM CR HRS:	3	**Lecture:**	3	**Lab:**	0						
Course Level:	☐ Gen Ed/IAI ☐ Career/Technical ☑ Baccalaureate/Non-IAI ☐ Dev Ed/Not in Degree Audit			**Clinical Practicum:**	0	**Work-based Learning**	0	**WBL ECH:**	PER CONTRACT		
COURSE PCS #	11 - 24.0102	**IAI Code**				**Contact Hours (Minutes Per Week)**					
Repeatable (Y/N):	Y	**Pass/Fail (Y/N):**	N	**Variable Credit (Y/N):**	N	**Min:**		**Max:**		**16 Wks**	150	**8 Wks**	300
Prerequisites:	None										
Corequisites:	None										
Catalog Description: (40 Word Limit)	This course introduces generative artificial intelligence (AI), its foundation in machine learning, and workplace applications. Students will use current tools and critically examine ethical and legal implications.										

	List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
1	Understanding Generative AI Fundamentals	4			
2	Large Language Models and Prompt Engineering	4			
3	Ethical Considerations and Responsible Use	5			
4	Legal Implications of Generative AI	5			
5	Developing Practical Skills in Specific Generative AI Models	12			
6	Project Work and Advanced Topics	15			
	TOTAL	45	0	0	0

EVALUATION							
QUIZZES	☐	**EXAMS**	☐	**ORAL PRES**	☑	**PAPERS**	☑
LAB WORK	☐	**PROJECTS**	☑	**COMP FINAL**	☑	**OTHER**	☐

COURSE MATERIALS		
TITLE:	None	
AUTHOR:		
PUBLISHER:		
VOLUME/EDITION/URL:		
COPYRIGHT DATE:		

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Understanding Generative AI Fundamentals	4	1. Define AI and its key subfields. 2. Explain the role of training data and algorithms in machine learning. 3. Compare and contrast generative AI with traditional machine learning approaches.
Large Language Models and Prompt Engineering	4	1. Describe the core concepts of generative models. 2. Demonstrate efficient prompt writing skills for text and image models.
Ethical Considerations and Responsible Use	5	1. Utilize critical thinking skills to assess the societal and ethical implications of generative AI, including potential biases and responsible use. 2. Discuss the impact of generative AI on job displacement and the future of work.
Legal Implications of Generative AI	5	1. Evaluate the potential risks of deepfakes and misinformation generated by AI. 2. Compare various AI product agreements in regard to intellectual property rights, data protection, and privacy concerns.
Developing Practical Skills in Specific Generative AI Models	12	1. Identify and analyze various applications of generative AI in the workforce. 2. Evaluate the applications of generative AI in multimodal generation.
Project Work and Advanced Topics	15	1. Identify real-world applications of generative AI across various industries through case studies. 2. Identify emerging trends and advancements in generative AI research. 3. Present a final project on the current and future possibilities of generative AI.
	45	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	1. Explain the fundamental concepts of generative AI and its relationship to machine learning and AI.
	2. Critique and effectively use multimodal generative AI models to solve problems.
	3. Apply generative AI principles to explore creative and practical applications across diverse fields, while critically evaluating their societal impact.

** Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.*

This information will not be included in the Public Facing Course Information Form. For internal coding only.

Additional Course Information

Course Effective Date:	Spring 2025	Program Associated with if not a Gen Ed	Any Degree or Certificate
Catalog Term Effective:	Spring 2025		
Does this course replace/equate to another course?	No	Please explain how it equates:	
Course Fees:	Level 2 Level 1, Level 2, Level 3, Level 4-include amount	Class Capacity:	28
If course is repeatable provide rational for repeatability:	The changes in artificial intelligence occur so rapidly that a student could take the course more than once and find the environments changing in the middle of the study. It is much like software-based classes where a person could retake it a couple of semesters later and learn entirely new material.		
Is this course reserved for special programs. Please list for registration rules:			
Is this change a result of an assessment progress? If yes, please explain.			

Revision Date History:	Changes Made: *(brief description such as Title Change or Outcomes Changed)*

Office Notes: