◪ AI Appreciation & Collaboration Mini-Course Syllabus

Format: Self-Paced / Instructor-Led

Estimated Total Duration: ~8–10 hours

◪ Module 0 — Pre-Course Materials (Self-Paced, Approx. 30 mins)

Overview:

This preparatory module ensures learners start the course with foundational knowledge, technical readiness, and a reflective mindset.

Key Activities:

- Complete a brief **pre-course survey** to assess prior AI experience and expectations.
- Watch introductory videos or read short articles on AI fundamentals and ethics.
- Set up access to AI tools (ChatGPT, DALL·E, AI coding assistants, etc.).
- Reflect on personal experiences and curiosity about AI.

Learning Outcomes:

- Understand course objectives and structure.
- Gain baseline knowledge of AI concepts.
- Be prepared technically and mentally for hands-on learning.

◪ Module 1 — What *Is* AI? (Approx. 60 mins)

Overview:

Explore the fundamentals of AI, including definitions, types, and why understanding AI is essential today.

Key Topics:

- AI definitions and real-world examples.
- Types of AI: Narrow, General, and Superintelligent AI.

- The evolution and milestones of AI from Turing to modern machine learning.

- The value of AI appreciation in personal and professional life.

Learning Outcomes:

- Explain AI concepts in simple terms.

- Recognize different types of AI and their current capabilities.

- Identify opportunities to collaborate with AI responsibly.

▨ Module 2 — How AI Works (Approx. 60 mins)

Overview:

Dive into the inner workings of AI systems and how they "learn" from data.

Key Topics:

- Machine Learning (ML) and pattern recognition.

- Neural networks and deep learning.

- Natural Language Processing (NLP) and computer vision.

- Reinforcement learning, generative AI, and agentic AI.

Learning Outcomes:

- Describe the main techniques that power AI systems.

- Understand the strengths and limitations of AI.

- Apply basic concepts to interpret AI outputs critically.

▨ Module 3 — Where AI Shows Up in Daily Life (Approx. 60 mins)

Overview:

Discover the ubiquity of AI in everyday life and professional contexts.

Key Topics:

- AI in healthcare, finance, education, and creative arts.

- AI in daily routines: smart assistants, recommendations, autonomous services.

- Observing AI in the workplace and personal life.

Learning Outcomes:

- Identify AI applications that affect daily activities.

- Understand the societal impact of AI technologies.

- Build personal awareness of AI interactions.

📄 Module 4 — Collaborating With AI (Approx. 60 mins)

Overview:

Learn strategies for effective human-AI collaboration.

Key Topics:

- Prompt engineering and iterative refinement.

- Combining human creativity with AI capabilities.

- Tips for maximizing productivity and innovation with AI tools.

Learning Outcomes:

- Create effective prompts for AI tools.

- Collaborate with AI to enhance creative and professional work.

- Develop habits for mindful and goal-oriented AI use.

📄 Module 5 — Ethics & Responsible AI (Approx. 60 mins)

Overview:

Examine the ethical, societal, and practical responsibilities when using AI.

Key Topics:

- Bias, fairness, and accountability in AI systems.

- Data privacy and security considerations.

- AI's impact on jobs and society.

- Responsible, human-centered AI practices.

Learning Outcomes:

- Recognize ethical dilemmas in AI applications.

- Apply frameworks to use AI responsibly and fairly.

- Understand the importance of human oversight and transparency.

📘 Module 6 — Building a Personal AI Practice (Approx. 60 mins)

Overview:

Develop a structured approach for integrating AI into your workflow and life.

Key Topics:

- Choosing AI tools for your goals.

- Daily AI experiments and reflection practices.

- Tracking AI outputs and iterative learning.

Learning Outcomes:

- Design a personal AI workflow tailored to your needs.

- Evaluate AI outputs critically.

- Build a sustainable and effective AI practice.

📘 Module 7 — Exploring Generative AI & Agentic AI (Approx. 60 mins)

Overview:

Investigate cutting-edge AI that can create content and act autonomously.

Key Topics:

- Generative AI for text, images, music, and code.

- Agentic AI that can perform tasks autonomously.

- Opportunities and risks of autonomous AI systems.

Learning Outcomes:

- Experiment with generative AI tools creatively.

- Understand how agentic AI functions and its potential applications.

- Identify safeguards for autonomous AI use.

📑 Module 8 — Capstone Project: Human + AI Collaboration

Overview:

Apply learning to a practical project that combines human creativity with AI capabilities.

Key Activities:

- Define a project goal that leverages AI.

- Collaborate with AI tools to produce a meaningful outcome.

- Reflect on process, results, and lessons learned.

Learning Outcomes:

- Demonstrate practical AI collaboration skills.

- Evaluate the effectiveness of AI-assisted workflows.

- Present insights and reflections on human-AI partnership.

📑 Post-Course Materials

Overview:

Additional resources for continued learning, including:

- Advanced readings and tutorials.

- AI tool guides and best practices.

- Communities, forums, and research updates.

Goal: Support ongoing growth and mastery beyond the course.

End of Syllabus