

Timelines for Transformers and langchain.

Date	Week	Topic
21 Apr 2025	Week 1	“Attention Is All You Need” (Transformer basics)
22 Apr 2025	Week 1	Continued: “Attention Is All You Need” (Deep dive into self-attention)
23 Apr 2025	Week 1	On Leave
24 Apr 2025	Week 1	Pre-requisites: REST APIs, Tokenization, Embeddings, API Keys
25 Apr 2025	Week 1	Overview of LangChain, LangSmith & LangGraph + Environment Setup
28 Apr 2025	Week 2	Prompt Templates & Output Parsers
29 Apr 2025	Week 2	Chains in LangChain (LCEL and traditional chaining)
30 Apr 2025	Week 2	Memory Modules (Buffer, Summary, Token Buffer, etc.)
01 May 2025	Week 2	Agents & Tools (Built-in + Custom Tools)
02 May 2025	Week 2	RAG (Retrieval-Augmented Generation)
05 May 2025	Week 3	RAG Evaluation & Improvements
06 May 2025	Week 3	LangGraph Basics
07 May 2025	Week 3	Debugging with LangSmith
08 May 2025	Week 3	Recap + Best Practices
09 May 2025	Week 3	Hands-on: Sample Projects (Conversational Agent, RAG App)