



DDoS Developers • AI Courses

Prompt to Production · Two courses for working developers · Agentic Coding and AI Engineering

SYLLABUS
2 COURSES
7 SESSIONS EACH

Two separate courses that run in parallel, seven two-hour evening sessions each. Take one, take both in parallel, or take them back to back: Agentic Coding in one cohort and AI Engineering in the next, one evening a week at a time. Every session is 10 minutes of retro on the previous assignment, 95 minutes of live demonstrations and theory with code running in front of the class and stops for questions, and 15 minutes of Q&A plus the next assignment. The practice itself is the weekly assignment. Two sessions of each course are in person, the opening and the closing; the rest run on Zoom and are recorded. Around three hours of self-study per week.

COURSE 01 // AGENTIC CODING // MONDAYS

Agentic Coding with Claude Code

For anyone who writes code, in any language and any stack. Write, review and ship code with agents, faster and under control. From the first session you work on your own repository from work.

COURSE 02 // AI ENGINEERING // WEDNESDAYS

AI Engineering

For engineers who want to build LLM systems: RAG, Tools and Agents. Fits any engineering background, including DevOps, Data and BI. Seven assignments, one system, seven layers: each layer has to beat the previous one on measurement. A Demo Day in front of an industry panel closes the course, on a separate date.

Course 01 • Agentic Coding 7 SESSIONS · MONDAYS · 2h

- 01 **Claude Code + Context Engineering** in person
Agent Loop, Plan Mode, CLAUDE.md, Rules, Context Management
- 02 **Spec-Driven Development + Compounding**
Requirements, Specs, Tasks, Quality Gates, Repo-Persisted Learning
- 03 **MCP + Skills + Plugins**
External Tools, Authoring Skills, Choosing the Right Mechanism
- 04 **Harness Engineering + Governance**
Tests, Hooks, Permissions, Guardrails, Automated Code Review
- 05 **Background Agents + Loops + Automation**
Headless, CI, Goal / Loop / Event, Stop Conditions
- 06 **Dynamic Workflows**
Orchestration, Parallel Agents, Pipelines, Structured Outputs, Budgets
- 07 **Autonomous Agent Teams** in person
Lead + Teammates, Task Delegation, Conflicts, Human Checkpoints

You leave with: your repository carrying CLAUDE.md, Skills and Hooks, a workflow running in CI, and an agent team that closed a real task.

Course 02 • AI Engineering 7 SESSIONS • WEDNESDAYS • 2h + DEMO DAY

01 **Intro to LLM** in person

How LLMs Work, Tokenization, Anatomy of an API Call, Context Window, Structured Output, Prompt & Context Engineering, Grounding

[Assignment](#) • [Your First LLM App](#)

02 **Evaluations**

Evaluation-Driven Development, Precision & Recall, Benchmarks, LLM-as-a-Judge, Human Evaluation, Failure Taxonomy

[Assignment](#) • [Evaluation](#)

03 **RAG I: Building the Pipeline**

Parsing, Chunking Strategies, Embeddings, Vector Databases, Retrieval, Citations & Grounding

[Assignment](#) • [Build a RAG Pipeline](#)

04 **RAG II: Advanced Retrieval & Evaluation**

Retrieval Metrics, Hybrid Search & RRF, Reranking, Query Rewriting, Contextual Retrieval, Ragas

[Assignment](#) • [Measure & Improve Retrieval](#)

05 **Tools, Workflows & MCP**

Function Calling, Tool Design & Failure Contracts, Workflow Patterns, MCP Architecture, Prompt Injection

[Assignment](#) • [Tools, MCP Server & Workflow](#)

06 **Agents**

The Agent Loop, ReAct, Termination Conditions, Guardrails, Budget Caps, Agent Evaluation, LangGraph

[Assignment](#) • [From Workflow to Agent](#)

07 **Advanced Agents & Multi-Agent Systems** in person

Planners, Agentic RAG, Agent Memory, Topologies, Handoffs, Failure Modes

[Assignment](#) • [Multi-Agent System](#)

DEMO DAY • SEPARATE DATE

Every participant or team presents the project in 7 minutes to a panel of industry professionals: the architecture, the decisions and the numbers behind them, and a live demo. Personal feedback from the panel and a certificate of completion. The date is scheduled separately.

You leave with: one production-grade system — RAG, Tools, Agent and Multi-Agent — and a measurement table that justifies every decision.

Logistics & Terms

FORMAT

7 two-hour sessions per course
2 in person (opening and closing), the rest on Zoom, recorded
About 3 hours of self-study per week

PRICE

Single course ILS 3,200
Both courses ILS 4,900 instead of 6,400
Subsidised rate for community members

PAYMENT

Deposit only at registration: ILS 500 per course, ILS 800 for the bundle
Balance one week before the course starts
A course opens at 15 registrations; otherwise the deposit is refunded

REQUIREMENTS

Practicing developers
Claude Pro subscription
AI Engineering also needs an API key

PRACTICE

Weekly assignment, about 3 hours, with a written success criterion
On your own code or data; a ready-made corpus for anyone without

CERTIFICATE

Community certificate of completion
For participants who submit the final assignment

Instructors

Netanel Elbaz

CTO @ RavTech. Teaches Agentic Coding: working with coding agents on real systems, from context engineering to autonomous agent teams.

Zvi Amolsky

AI/LLM Engineer & Tech Lead @ Powtoon. Teaches how to build LLM applications — Evals, RAG and Agents — and how to run them in production.

Cohort dates and registration:

<https://www.ddosdevs.co.il/events-1/agentic-coding-ai-engineering-mhzw-r-b>

ai.ddosdevs.co.il

DDoS Developers Community