

AI-3026: Develop AI agents on Azure

Course Outline

1) Fundamentals of AI agents on Azure

- Describe core concepts related to AI agents
- Describe options for agent development
- Create and test an agent in the Azure AI Foundry portal
- Lab: Explore AI Agent development

2) Develop an AI agent with Azure AI Agent Service

- Describe the purpose of AI agents
- Explain the key features of Azure AI Agent Service
- Build an agent using the Azure AI Agent Service
- Integrate an agent in the Azure AI Agent Service into your own application
- Lab: Build an AI agent

3) Integrate custom tools into your agent

- Describe the benefits of using custom tools with your agent
- Explore the different options for custom tools
- Build an agent that integrates custom tools using the Azure AI Agent Service
- Lab: Build an agent with custom tools

4) Develop an AI agent with Semantic Kernel

- Use Semantic Kernel to connect to an Azure AI Foundry project
- Create Azure AI Agent Service agents using the Semantic Kernel SDK
- Integrate plugin functions with your AI agent
- Lab: Develop an Azure AI agent with the Semantic Kernel SDK

5) Orchestrate a multiagent solution using Semantic Kernel

- Build AI agents using the Semantic Kernel SDK
- Develop multi-agent solutions
- Create custom selection and termination strategies for agent collaboration
- Lab: Develop a multi-agent solution