CONCEPT

AI for Contract Review and Obligation Extraction: Clause Analysis and Obligation Registers



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Technical depth: Practitioner · **Practical mode:** Lab

Introduction

Legal and commercial teams hold thousands of signed contracts whose obligations, renewal dates and risk clauses sit unread until something goes wrong. AI tools can classify clauses and extract obligations at scale, but without tested prompts, accuracy checks and human review they produce confident errors. This Core Concept course trains contract professionals to run AI-assisted review to a defined standard, from clause taxonomy to validated output. Working hands on with contracts from several sectors, participants build an AI-Assisted Contract Review Playbook and a validated obligation register for a sample of their own contracts.

Course Objectives

- Map the organisation's contract portfolio and lifecycle stages to AI use cases and prioritise those worth automating
- Apply AI governance and information security standards to the selection and use of contract review tools
- Operate AI tools to classify clauses, flag deviations from a negotiation playbook and propose redlines
- Extract contractual obligations, deadlines and triggers into a structured obligation register
- Test AI output for accuracy, omissions and hallucinations and set human review thresholds accordingly
- Produce an AI-Assisted Contract Review Playbook ready for adoption by the legal or contracts function

Target Audience

- In-house legal counsel and legal operations managers responsible for contract review workload
- Contract managers accountable for post-signature obligation tracking and renewals
- Procurement and category managers who review supplier terms and negotiate deviations
- Commercial and sales operations managers handling customer contract volumes
- Compliance and risk managers overseeing contractual exposure and regulatory clauses
- Legal technology and CLM system owners configuring AI features for contract teams

Course Outline

Day 1: AI in the Contract Lifecycle and Current-State Assessment

- Contract Lifecycle Stages and AI Use Cases Mapped to the WorldCC Contract Management Standard
- AI Techniques for Contracts: Natural Language Processing, Machine Learning and Large Language Models
- Clause Taxonomy Design Using the CUAD 41-Category Schema
- Obligation Anatomy: Party, Trigger, Action, Deadline and Consequence Model
- Contract Portfolio Current-State Assessment and Use-Case Prioritisation Matrix

Day 2: Governance Standards and Architecture for Legal AI

- ISO/IEC 42001 AI Management System Controls for Legal Functions
- NIST AI RMF Govern, Map, Measure and Manage Functions Applied to Contract Review
- NIST AI 600-1 Generative AI Profile: Confabulation and Information Integrity Risks
- ISO/IEC 23894 Risk Assessment of a Contract Review Tool
- Confidentiality and Personal Data Controls Under ISO/IEC 27001 and ISO/IEC 27701

Day 3: Hands-On AI Contract Review and Obligation Extraction

- Contract Ingestion: OCR Quality Checks, Normalisation and Metadata Tagging
- Prompt Templates for Clause Identification and Playbook Deviation Flagging
- Structured Obligation Extraction to a JSON Schema and Obligation Register
- Retrieval-Augmented Generation RAG Set-Up for Contract Questions with Source Citations
- AI-Proposed Redlines Against a Negotiation Playbook with Fallback Positions

Day 4: Accuracy, Risk and Problem Contracts

- Accuracy Testing with Precision, Recall and F1 Against a Lawyer-Labelled Gold Set
- Hallucination and Omission Detection Through Source-Span Verification
- Edge Cases: Scanned Annexes, Cross-References, Amendments and Bilingual Contracts
- Prompt Injection and Data Leakage Risks Using the OWASP Top 10 for LLM Applications
- Human-in-the-Loop Review Thresholds and RACI for AI-Assisted Sign-Off

Day 5: Lab Practice and the AI-Assisted Contract Review Playbook

- Supply Agreement Lab: End-to-End Clause Review and Risk Scoring
- Services Contract Lab: Obligation Extraction and Renewal Calendar Build
- Obligation Register Validation Against Source Clauses
- AI-Assisted Contract Review Playbook Drafting
- Peer Review Panel and Playbook Defence

Skills You Will Gain

- Clause Classification
- Obligation Management
- Prompt Engineering for Legal Documents
- AI Output Validation
- Legal AI Governance
- Contract Risk Scoring
- Contract Data Structuring

Why Attend This Course

- Return to work with an AI-Assisted Contract Review Playbook and an obligation register already tested on real contracts
- Know how far an AI review result can be trusted and where a lawyer must still read the clause
- Cut the time spent locating renewal dates, notice periods and liability caps across a contract portfolio
- Compare AI review practices with legal and procurement professionals from other sectors and countries

Conclusion

AI will not remove the need for careful contract review, but it changes where human attention is best spent. This course moves from mapping the contract lifecycle and clause taxonomy, through the governance standards that apply to legal AI, to hands-on clause review, obligation extraction and accuracy testing. The final day turns that work into an AI-Assisted Contract Review Playbook and a validated obligation register, giving participants a controlled, repeatable method for using AI across their contract portfolio.