Capital University of Economics and Business
Overseas Chinese College
Course Syllabus

Year and Semester	2026 Spring					
Course Name	Data Governance and Compliance Management					
Course Code	DG102					
Course Type	☐ General Education (Required) ☐ General Education (Elective) ☐ Basic Disciplinary Course ☐Professional Course (Required) ☑Professional Course (Elective) ☐Professional Course (Expanded) ☐Professional Course (Advanced)					
Course Credits	1					
Course Hours	Total Class Hours	16	Lecture Hours	16	Experiment (Computer) Hours	0
Applicable object	☑ Freshman ☐Sophomore ☐ Junior ☐Senior					
	☐ Business Administration (Accounting)					
	☑ Information Management and Information Systems (Data Governance)					
Prerequisites	DG101					
Instructor	Jingning Li					
Contact Information	Office: C217					
	Tele: (010)83951082					
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Office Hour	WTH: 09:55-11:30; F: 13:30-15:05					
Learning Centre	M: 15:25-17:00, 18:00-20:00 (online)					
Grade/Section	2025 级 IT1 班 2 班					
Course Time/Place	T: 9:55-11:30 (A202)					
Textbook	Yonyou Platform and Data Intelligence Team, *Mastering Data Governance: Strategy, Methods, Tools and Practice*, Publishing China Machine Press, ISBN 978-7-111-69448-9.					

Reference Book

DAMA International DATA MANAGEMENT BODY OF KNOWLEDGE， Technics Publications BASKING RIDGE NEWJERSEY，ISBN9781634622349.

Course Description

"Data Governance and Compliance Management" is a specialized course designed for Information Management and Information Systems (Data Governance) majors. Through the instruction of this

course, students will master the comprehensive theoretical framework and practical methodologies of data governance, including the strategic principles (data strategy, organizational mechanisms, and data culture), governance methods (eight key initiatives from current state assessment to sustainable operation), technical capabilities (seven core competencies spanning metadata management, master data management, data quality management, data security governance, and data integration), and implementation tools (seven categories of data governance platforms and technologies); understand the international and domestic standards and frameworks for data governance, such as DAMA-DMBOK, DGI framework, ISO 38500, DCMM maturity model, and GB/T 34960 national standards, as well as compliance requirements under data security laws and personal information protection regulations; explore the practical pathways of enterprise data governance transformation, including organizational change management, cross-departmental collaboration mechanisms, data asset valuation, and the construction of data-driven decision-making cultures. Throughout the teaching process, the course integrates theoretical lectures with case studies from the manufacturing and financial sectors, employs hands-on exercises using data governance tools for metadata harvesting, data quality profiling, and master data modeling, and incorporates group projects that simulate real-world data governance roadmap planning and maturity assessments, laying a solid foundation for students to further pursue advanced studies in enterprise digital transformation, data asset management, business intelligence analytics, and data compliance auditing.

This course is a comprehensive and practice-oriented professional core course that elaborates on the complete lifecycle of data governance from strategic planning to tactical execution, the interplay between technical capabilities and organizational governance, the selection and deployment of data governance toolchains, and the alignment between data governance initiatives and business value creation, ultimately cultivating compound talents capable of bridging business requirements with technical implementation in the data governance domain.

Student Learning Objectives

On successful completion of this exam, candidates should be able to:

Knowledge	• Core Concepts: Explain the fundamental concepts, principles, and value propositions of data governance, including the six values (data quality, security, sharing, decision support, compliance, and value creation) and the three-dimensional perspectives (management, business, and technical). • Strategic Framework: Describe the strategic mechanisms of data governance (data

	strategy, organizational mechanisms, and data culture) and their interrelationships with enterprise digital transformation initiatives. • Governance Methods: Articulate the eight key initiatives of data governance implementation, from current state assessment and maturity evaluation to roadmap planning, assurance system construction, and sustainable operation. • Technical Competencies: Identify and explain the seven core technical capabilities, including data profiling and modeling, metadata management, data standards management, master data management, data quality management, data security governance, and data integration and sharing. • Standards and Compliance: Demonstrate knowledge of international standards (DAMA-DMBOK, DGI Framework, ISO 38500) and domestic standards (DCMM, GB/T 34960), as well as regulatory requirements under data security and personal information protection laws. • Tools and Technologies: Recognize the functions and selection criteria of seven categories of data governance tools, including metadata management tools, master data management platforms, and data quality monitoring systems.
Capability	• Strategic Planning: Develop a comprehensive data governance roadmap for an organization, including maturity assessment, goal setting, and phased implementation planning. • Organizational Design: Design appropriate data governance organizational structures, defining roles and responsibilities for data owners, data stewards, and data governance committees. • Technical Implementation: Apply data governance tools to perform practical tasks such as metadata harvesting, data lineage analysis, data quality profiling, master data modeling, and data standard formulation. • Problem Diagnosis: Analyze organizational data governance challenges using root cause analysis methods, identifying issues related to data silos, quality deficiencies, standard inconsistencies, and security vulnerabilities. • Compliance Assessment: Evaluate organizational compliance with data protection regulations and develop remediation strategies for identified gaps. • Value Quantification: Propose metrics and KPIs for measuring data governance effectiveness and calculate return on investment for governance initiatives. • Cross-functional Collaboration: Facilitate communication and collaboration between business units and IT departments to align data governance objectives with business value creation.
Mindset	• Data-driven Thinking: Embrace a data-driven mindset in organizational decision-making, recognizing data as a strategic asset rather than merely a byproduct of operations. • Governance Awareness: Internalize the importance of systematic governance over ad-hoc data management, understanding that sustainable data value requires structured oversight. • Collaborative Orientation: Appreciate the necessity of cross-departmental collaboration and stakeholder engagement in successful data governance

	implementation. • Continuous Improvement: Adopt a philosophy of continuous improvement and iterative optimization in data governance practices, applying PDCA cycles to governance operations. • Ethical Responsibility: Demonstrate ethical awareness regarding data privacy, security, and responsible use, balancing business innovation with regulatory compliance and social responsibility. • Strategic Vision: Think strategically about how data governance enables digital transformation and competitive advantage, connecting tactical governance activities to long-term business objectives. • Adaptability: Remain open to emerging trends in data governance, including AI-driven automated governance, cloud-native architectures, and data element marketization. • Cultivate the spirit of Xi Jinping Economic Thought

Website Source

DAMA International：https://dama.org

Data Governance Institute (DGI)：https://datagovernance.com

Teaching Methods

This course adopts a blended, student-centered model of "teacher-guided, team-based, project-driven, deliverable-oriented" learning. Lectures focus on core data governance concepts and mainstream frameworks to build a coherent end-to-end understanding. Workshops and scenario-based role-play, anchored in industry cases, guide teams to produce weekly enterprise-style deliverables, enabling the progression from Know-what → Know-how → Deliverable. The course also integrates industry guest talks and certification-aligned review, connecting classroom learning with real-world practice and professional competency standards. Assessment features dual-instructor evaluation (course instructor + industry mentor), complemented by peer review and milestone presentations, forming a closed loop of continuous feedback, iterative improvement, and final acceptance to strengthen students' governance proposal and implementation readiness.

Grade Criterion

Component	Weight	Description

Final Exam	20%	A cumulative final examination will be given based on all the contents of the class. The exam paper may be composed of multiple-choice questions, short answer questions, essay questions. Students should rely primarily on homework assignments and class exercise as reference for exams.
Mid-Term Test	20%	A cumulative midterm test will be given based on all the contents that have been taught in class. The content shows the results of the intermediate nodes of the project. It should be completed within 50 minutes in class.
Homework	10%	Most of the assigned homework is taken from the Exercises in the textbook. Assignments will be collected at the clearly stated date. Late assignments will not be accepted. In general, each assignment should be complete in appropriate software and submit by Xuexitong(学习通) App. The graded will be published on the app.
Quizzes	10%	There will be at least 2 quizzes during the semester. It may also be used to check the attendance. Quizzes will test your theoretical knowledge and application ability.
Presentation	20%	The students will be divided into several groups to prepare a presentation. Each student is required to be involved in the presentation. Each member of the group will receive the group grade with certain weight of his/her contribution. Each group need to finish a code or report of the project，which is given and hand in the related resources to the teacher before the presentation.
Participation	10%	Individuals will be asked to participate individually in question and answer at least 10 times during the semester. The performances should be counted in their participation.
Attendance	10%	Refer to attendance policy listed below.
Total	100%	

Detailed Grade Computation

	Before Midterm	After Midterm
Attendance	5%	5%
Participation	5%	5%
Homework	5%	10%

Quizzes	5%	10%
Presentation		10%
Mid-Term Test	20%	
Final exam		20%
Total	40%	60%

Assessment of Student Performance

☞ ***Self-Study and Reading ability Practice***

Instructor will give out the chapters or the reference books to read and use class hours to have discussion; students should be able to show a proactive attitude and ability for self-study and reading. Knowledge and oral English will be elements of homework or presentation score.

☞ ***Homework***

Students should finish their homework by themselves. Copying from others will be treated as cheating and the homework scores will be lowered. Students should hand in all assignments on time. Late assignments will be accepted at the discretion of the instructor (i.e., when the student was ill or had an excused absence). Late assignments without reasonable proof will be reduced in score by 50%.

☞ ***Attendance***

Because the course covers a great deal of material, attending every class session is very important for performing well.

- Being late for 15 minutes or more is considered an absence.
- Five hours or above of unexcused absences will result in the lower level of the final grade by one grade band (e.g. from C – to D +). Any excused absence must be discussed directly with the teacher.
- Absence which is more than 1/3 of the total teaching hours will cause an F (a failing grade) directly. but students are welcome to continue attending classes.
- An incomplete grade (I) will be considered in case of medical or family emergencies.

☞ ***Participation***

- Students should participate in classes actively. Half of participation grade is determined by their presentation in class. They are encouraged to ask questions relevant to the subject and express their own opinions. Every student should respect the ideas, opinions, and questions

of their classmates.

- Students should also use office hours to ask questions or talk with the instructor for good communication and effective learning.
- Frequent visiting the instructor and chatting in English during office hours is highly recommended.
- Any misbehavior and non-class related activities in class will result in the lower level of the participation grade, including ringing cell phones.
- All above behaviors will be solely evaluated by the instructor for scoring.

☞ ***Textbook***

Students must bring the textbook to class.

Topical Course Outline (original)

Week	Date	Topics	Platform	Homework
9	May 5	Part 1: Overview of Data Governance - Core Concepts - Frameworks and Standards	Classroom	Project start
10	May 12	Part 2: The Principles of Data Governance (3 Strategic Mechanisms) 1. Data Strategy 2. Organizational Mechanism 3. Data Culture	Classroom	
11	May 19	Part 3: The Methods of Data Governance (8 Key Initiatives)	Classroom	
12	May 26	Part 4: The Techniques of Data Governance (7 Technical Capabilities)	Classroom	
13	Jun. 2	Part 5: The Tools of Data Governance (7 Governance Tools)	Classroom	
14	Jun. 9	Part 6: Data Governance Practice and Summary Practice Cases	Classroom	
15	Jun. 16	Review Q&A Time	Classroom	Peer review
16	Jun. 23	Final Presentation	Classroom	Complete project final version

Note: *Some chapters or sections may leave for self-study, this is the students' duty to learn and understand, they may also be included in the quizzes or exams.A review in Chinese may be held during L.C. and O.H. in the semester.*

Teacher's Office Hour

- The instructor's office hour is shown in the front of the office door.
- Students are suggested to use the instructor's office hour and learning center to ask questions or talk with the instructor once at least per week for good communication and effective learning, which is recorded in the students' participation.
- The time can be scheduled by instructors or students, or both.

Cheating and Plagiarism

Cheating is not tolerated. Any student caught cheating on a quiz; test or exam will be given a mark of zero (0) for the particular work. At the beginning of the semester the definition of plagiarism will be carefully explained, when any thoughts or writings of another person are used, they must be clearly identified (usually one uses quotation marks) and the source notes. **If any student is caught cheating on any homework assignment, the highest score the student can earn in that course is a "C".**

Important Dates

Midterm Test	**Week 12**
Final Exam	**Week 17 (Refer to the notice of the Academic Affairs Office)**

Note: *This syllabus is tentative and may be changed or modified throughout the semester. All students will be notified and a new syllabus will be given.*

Instructor: Jingning Li **Department Head: Jingning Li**