

GRADUATE COMMODITIES & ENERGY COURSE DESCRIPTIONS



Denver

J.P. MORGAN CENTER

for Commodities & Energy Management

ALL COURSES TAUGHT IN AN 8 OR 10 WEEK, FULLY ONLINE FORMAT

PLEASE REFER TO COURSE SCHEDULE DOCUMENT FOR UPCOMING CLASS DATES

CMDT 6802	FOUNDATIONS OF COMMODITIES
	An introduction to the physical aspects of commodities, connecting them to the financial markets in which commodities are traded. Fundamental concepts and terminology necessary for understanding commodity production, transportation, economics, financial analysis, and marketing are described.
CMDT/GEMM 6582	COMMODITY SUPPLY CHAIN MANAGEMENT
	The aim of the course is to introduce students to the world of physical commodity supply chains, explaining the actors, factors and mechanisms involved in the trade, marketing and distribution of commodities and natural resources and the economic impacts on major capital projects.
CMDT 6490	COMMODITY TRADING
	This course explores commodity trading as practiced at firms with physical & financial exposures to the agriculture, metals/minerals, and energy markets. Students will learn to develop & evaluate different strategies to implement their view of the market, then choose the best available option based on its performance characteristics.
CMDT 6682	COMMODITY HEDGING
	This class will examine the history of commodity hedging, how companies have blown up with improper hedges and how companies have used proper hedges effectively. Case studies will be examined. This class will also explore how to put on proper hedges, and learn the fundamentals of forwards, futures, swaps, and options.
GEMM 6000	21ST CENTURY GLOBAL ENERGY ISSUES AND REALITIES
	The course introduces the global energy industry's past, present, and future. World production centers and markets are discussed, as well as relevant energy security, scenario planning, and risk management.

GEMM 6100	GLOBAL ENERGY ECONOMICS
	The course includes energy geo-economics with an introduction to managerial tools of the trade. Topics include world energy markets - demand and supply, refining and marketing, energy forecasts, oil and gas transportation, and National Oil Companies vs. International Oil Companies.
GEMM 6200	ENVIRONMENTAL, REGULATORY, LEGAL AND POLITICAL ENVIRONMENT IN THE ENERGY INDUSTRY
	Explores the current political situation regarding the energy industry and its environmental impact, both in the short and long term. The course deals with environmental and energy laws and regulations from a regional to an international level.
GEMM 6300	TECHNICAL ASPECTS OF ENERGY SCIENCE
	This course is designed to familiarize students with the science behind energy sources. The course focuses on hydrocarbon and renewable/alternative sources of energy and examines what challenges and opportunities exist for establishing those energy sources as viable industries.
GEMM 6400	LEADERSHIP & DECISION MAKING IN THE GLOBAL ENERGY ENVIRONMENT
	This course will help students understand what leaders do, and how they think and adapt to an ever-changing strategic and operational landscape. Students will learn how leaders deliver results through others by engaging stakeholders and fostering organizational practices which motivate people and teams and foster a values-driven, ethical culture.
GEMM 6500	MANAGERIAL ACCOUNTING IN THE GLOBAL MARKETS
	This course builds a basic understanding of how information regarding a firm's resources and obligations is conveyed to decision-makers both outside and within the firm. Emphasis is placed on the analysis of the income statement, balance sheet, and statement of cash flows, which allows students to interpret historical financial accounting information.
GEMM 6600	INTRODUCTION TO FINANCIAL MANAGEMENT IN THE GLOBAL ENERGY MARKET
	This course provides an integrated conceptual framework for thinking about how energy firms should make financial decisions, and the basic tools and skills necessary to participate in financial decision-making. Upon successful completion of course material, students can describe and address the two basic problems for the financial manager: How does a firm identify the best possible uses of its funds? How does a firm identify the best possible sources for its funding needs?

GEMM 6450

STRATEGIC MANAGEMENT FOR THE ENERGY INDUSTRY

This course will provide the students with the tools necessary to be an integral part of and ultimately lead the strategic planning processes in global energy companies. It will also provide information about how to be an effective manager when it comes to implementing or supervising the implementation of strategic plans or strategic management initiatives.

CMDT/GEMM 6240

ENVIRONMENTAL, SOCIAL, GOVERNANCE (ESG) TRENDS IN ENERGY AND COMMODITIES

This course will introduce students to the fundamental concepts and terminology associated with ESG. The evolution of climate change and ESG will be reviewed in terms of policies and metrics. The critical need commodities (agricultural, energy, and minerals, and metals) are studied to support more realistic views and opinions on climate change and ESG.

GEMM 6630

PROJECT DEVELOPMENT, MANAGEMENT, AND LEADERSHIP IN RENEWABLE ENERGY

This course will provide students with real-time insight into the world of renewable energy and storage. Students will be taken on a project's journey via a methodic overview of all project phases, markets, technologies, risk mitigation, and executive decision-making. Students will also be exposed to corporate-level leadership and decision-making of companies expanding or transitioning into renewables.

CMDT/ GEMM 6710

CARBON MARKETS: NAVIGATING THE FUTURE OF BUSINESS

Course will introduce carbon markets in all their forms and elaborate on policies, trade, reporting, and tracking. This course will demonstrate the value of carbon management to the bottom line, allowing participants to practically apply learnings to new and developing business strategies.

GEMM 6690

INTERNATIONAL SPECIAL TOPICS TRAVEL COURSE

This is a 3-credit course specially designed to provide international learning opportunities. The course will offer concentrated problem-solving experiences within the energy industry through travel to industry-significant cities and regions. Learn through a combination of lectures by GEM instructors, guest lectures, field trips, and seminars with experts on each day's topics.