

COMMODITIES (CMDT)

CMDT 6240 - Environmental, Social, Governance (ESG) Trends in Energy & Commodities (3 Credits)

This course will introduce students to the fundamental concepts and terminology associated with Environmental, Social, Governance (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. An overarching goal is that students completing the course will have a sound understanding of ESG related policies and standards, the measuring metrics, and the benefits and costs associated with potential future trends. Cross-listed with GEMM 6240. Repeatable. Term offered: fall, spring. Max hours: 6 Credits. Grading Basis: Letter Grade
Repeatable. Max Credits: 6.
Typically Offered: Fall, Spring.

CMDT 6490 - Commodity Trading (3 Credits)

This is a co-listed class with the J.P. Morgan Center for Commodities and the Finance Department. This course focuses on how securities and futures contracts are designed and traded including trading exchange operations, regulation, trading mechanisms and processes. Students will learn the theory and practice of securities and futures contract trading with a focus on hands-on trading experience using industry software (CQG and Bloomberg) as well use of data sources (Morningstar). In this course, we will review the origins of liquidity, volatility, price efficiency, and trading profits. Next we will cover a host of topics concerning equity and commodity trade execution strategies, such as why and how investors trade, what and when investors profit from investing and speculating, the key principles of high-frequency trading and investor's overconfidence, why market institutions are organized as they are, and the role of public policy in the markets. Max hours: 3 Credits.
Grading Basis: Letter Grade

CMDT 6582 - Commodity Supply Chain Management (3 Credits)

This course introduces the design, analysis, management, and control of supply chains as applied to commodities. The course covers integration of processes and systems, relationship management of upstream and downstream supply chain players, and commodity-specific supply chain strategies. Cross-listed with CMDT 4582. Restriction: Restricted to graduate majors and NDGR majors with a sub-plan of NBA or NBC within the Business School. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restriction: Restricted to graduate majors and NDGR majors with a sub-plan of NBA or NBC within the Business School.

CMDT 6682 - Commodities Hedging (3 Credits)

This course is a practical introduction to commodity markets. Students will learn how commodities are managed in the global markets from a hedgers, speculators and arbitrageurs point of view. Understanding the relationships between commodities and the global economy will be investigated. In addition, commodities will be looked at as an asset class and cross-asset relationships will be studied. Students will be introduced to futures and options markets analysis deploying strategies professional traders use in diverse market conditions. Students will work with the various trading software throughout the course and gain proficiency in real-world trading. Note: Students cannot receive credit for both CMDT 6482 or FNCE 6482. Cross-listed with CMDT 4682. Restriction: Restricted to graduate majors and NDGR majors with a sub-plan of NBA or NBC within the Business School. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restriction: Restricted to graduate majors and NDGR majors with a sub-plan of NBA or NBC within the Business School.
Typically Offered: Spring.

CMDT 6710 - Carbon Markets: Navigating the Future of Business (3 Credits)

Climate change is a fundamental threat to global economic development. Both public and private business practices and consumer behaviors will drive how economies will decarbonize and the extent of future impacts. Consumers, investors, and governments will increasingly look toward markets for innovation and create a low-carbon economy. This 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 apply learnings to new and developing business strategies practically. Cross-listed with GEMM 6710. Repeatable. Max hours: 9 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 9.
Typically Offered: Fall, Spring.

CMDT 6782 - Commodity Data Analysis (3 Credits)

This course is an applied introduction commodity data analysis. Students will learn how to analyze commodity prices using quantitative and qualitative techniques. Relationships between commodities and the global economy will be investigated. In addition, commodities will be looked at as an asset class and cross-asset relationships will be studied. Students will be introduced to forecasting techniques and be able to develop and evaluate various forecasting models. Students will work with the open source Python software throughout the course and gain proficiency. Topics include: regression analysis, univariate models, non-stationarity, vector autoregressions, cointegration, volatility modeling, principal component analysis, Python programming, and other topics time permitting. Cross-listed with CMDT 4782. Max hours: 3 Credits.
Grading Basis: Letter Grade

CMDT 6802 - Foundations of Commodities (3 Credits)

This course introduces students to the physical aspects of commodities and connects 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. Supply chains for several specific commodities are reviewed in detail, as examples of the production and market structure knowledge needed to be successful professional participants in commodity trading capacities. The course also serves a foundation for more focused education in the specific commodity sectors, as well as the applied use of marketing and financial trading concepts learned in other courses. Cross-listed with CMDT 4802 and FNCE 4802/6802. Restriction: Restricted to graduate majors and NDGR majors with a sub-plan of NBA within the Business School. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to graduate majors and NDGR majors with a sub-plan of NBA within the Business School.

CMDT 6840 - Commodity Independent Study (1-3 Credits)

Independent study in the field of commodities. Topic of study varies according to project. Repeatable. Max hours: 6 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 6.