



Course Syllabus: Energy Management

Dillard College of Business Administration

MGMT 5313 Section Y10

Fall 2026 Semester, August 24, 2026 – December 12, 2026

Contact Information

Instructor: Ms. Alli Forrester

Office: DCOBA 286

Office hours: Tuesdays from 1 PM – 5 PM, Wednesdays from 1 – 1:30 PM, and Thursdays from 9:30 – 10 AM, or by appointment in person or via Zoom.

Office phone: (940) 397-4543

E-mail: alli.forrester@msutexas.edu

Course Description

This hybrid course focuses on terminology, concepts, and business issues that are particularly important to the energy industry. Topics include drilling and production terminology and concepts, an introduction to the importance of geology and geographic information systems to the oil and gas industry, negotiations, and land management. An emphasis is placed on the importance of the ownership of mineral interests and the process for determining such ownership. The process for obtaining mineral lease rights is examined.

Textbook & Instructional Materials

A PC/Laptop/Tablet with webcam capability. Chromebooks do not have sufficient computing power.

The Global Oil & Gas Industry: Management, Strategy, & Finance, by Andrew Inkpen and Michael H. Moffett. Publisher: PennWell Corporation. ISBN: 978-1-59370-239-7.

Oil and Gas Law and Taxation, Second Edition, by Owen L. Anderson, Jown S. Dzienkowski, John S. Lowe, and Robert J. Peroni. Publisher: West Academic. ISBN: 978-1-63459-933-7.

Additional readings posted to D2L.

Learning Goals

General Learning Goals:

- Our students will be effective at problem-solving and decision-making. The course highlights the various levels of integration and strategic partnerships used by energy firms, which are all complex issues where problems routinely arise.
- Our students will understand issues related to globalization and international business. The energy industry operates at the intersection of geology, technology, capital, geopolitics, and the world economy.
- Our students will be able to demonstrate competency in speaking for common business scenarios.

These general learning goals are among those the Dillard College of Business Administration established. General learning goals represent the skills graduates will carry into their careers. While assessing student performance in obtaining these general learning goals, the Dillard College is assessing its programs. The assessments assist us as we improve our curriculum and curriculum delivery.

Course Specific Learning Goals:

After completing this course, students should be able to:

- Understand the global trends that drive demand and the need for sustainability
- Understand the essential global economic and geopolitical forces that drive energy prices.
- Understand the agreements involved between land/mineral owners and energy companies to develop and produce energy
- Know the language, processes, and basic cost structure for oil and gas exploration and production (E&P) as well as wind and solar
- Know the basics of how energy operations are funded.
- Understand the various energy distribution processes
- Understand the environmental tradeoffs associated with all forms of energy production
- Understand the technical issues and potential of energy advances.

Student Handbook

Refer to: [Student Handbook](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of

work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. [Office of Student Conduct](#)

Moffett Library

Moffett Library provides resources and services to support student's studies and assignments, including books, peer-reviewed journals, databases, and multimedia materials accessible both on campus and remotely. The library offers media equipment checkout, reservable study rooms, and research assistance from librarians to help students effectively find, evaluate, and use information. Get started on this [Moffett Library webpage](#) to explore these resources and learn how to best utilize the library.

Grading

Table 1: Points allocated to each assignment

Assignments	Points
Exams (2 at 150 points each)	300
Quizzes (10 at 10 pts)	100
Energy Management Company Project (Project Mustang)	300
Project Mustang Final Report	100
Final Executive Presentation	200
Graduate Energy Management Research Paper	250
Participation & In-Class Activities	50
Total Points	1300

Table 2: Total points for final grade.

Grade	Points
A	1168
B	1038 to 1167
C	908 to 1037
D	778 to 907
F	Less than 777

Homework

There are no regularly scheduled homework assignments in this course. Students are expected to complete assigned readings and other course preparation prior to class.

Quizzes

Students will complete 10 quizzes worth 10 points each throughout the semester. Quizzes will assess understanding of assigned readings, energy industry terminology, and concepts covered in class. Quizzes will be completed through D2L and must be submitted by the deadline listed on the Course Schedule. Additional information regarding quiz availability and time limits will be provided in D2L.

Exams

Students will complete three exams worth 150 points each during the semester. Exams will assess students' understanding and application of energy management concepts and may include multiple-choice, true/false, short-answer, calculation, and scenario-based questions.

Projects Required

Throughout the semester, students will work as the management team of an energy company. Teams will be presented with a developing energy opportunity and will make a series of management decisions as new information and challenges are introduced throughout the course.

The project is designed to connect course concepts to realistic energy industry decision-making. Rather than completing one large project at the end of the semester, teams will complete several components as corresponding topics are covered in class.

The Energy Management Company Project includes:

- Company Launch & Energy Opportunity – 25 points: Teams will establish their management structure, evaluate an initial energy opportunity, and make an initial recommendation regarding whether the company should pursue the opportunity.
- Mineral Ownership & Land Analysis – 50 points: Teams will evaluate land and mineral ownership information and determine how ownership considerations affect the company's ability to develop the proposed project.
- Lease Analysis – 50 points: Teams will analyze an oil and gas lease, identify important provisions, and evaluate the business implications of the proposed terms.
- Lease Negotiation – 50 points: Teams will participate in a negotiation exercise involving the company, landowners, mineral owners, and/or other relevant parties and work toward acceptable lease terms.
- Drilling & Economics Decision – 75 points: Teams will evaluate available geological, operational, financial, and market information to determine whether the company should proceed with development.

- Management Crisis & Stakeholder Response – 50 points: Teams will respond to an unexpected challenge involving the project and develop an appropriate management and stakeholder response.
- Project Mustang Final Report – 100 points: Graduate teams will write a final business report for their findings. Undergrads will summarize their findings.

Additional instructions and grading criteria for each component will be provided throughout the semester.

Final Executive Presentation

At the conclusion of the Energy Management Company Project, teams will present their final recommendation as though they are presenting to the executive leadership of their energy company. Teams will summarize the major decisions they made throughout the project, evaluate the current position of the asset, identify important risks and opportunities, and recommend what the company should do moving forward.

Research Paper

Graduate students only will complete an individual research-based analysis of a significant issue affecting the energy industry. Students will use credible academic and industry sources to examine the issue from a management perspective, evaluate its implications for energy organizations, and develop evidence-based recommendations.

The purpose of the assignment is to provide graduate students with an opportunity for more advanced research, analysis, and strategic thinking beyond the requirements of the undergraduate course. Detailed requirements and grading criteria will be provided separately.

Extra Credit

Extra credit is not guaranteed in this course. If an extra-credit opportunity is offered, it will be made available to the class as a whole and will include specific instructions and deadlines. Individual extra-credit assignments will not be created to raise a student's grade at the end of the semester. Students should not rely on extra credit as a substitute for completing required coursework. Do not ask for extra credit.

Late Work

Assignments are expected to be submitted by the deadline listed in the course schedule. Late work will receive a 10% deduction for each calendar day it is late, beginning immediately after the posted deadline. For example, an assignment submitted one day late will receive a 10% deduction, two days late a 20% deduction, and so on. After 10 days, the assignment will no longer be accepted and will receive a zero.

It is the student's responsibility to plan ahead and allow adequate time for submission. Technology issues, work schedules, travel, or waiting until the deadline to submit generally do not excuse late work. If an emergency or university-approved absence prevents you from completing an assignment on time, please contact me as soon as possible.

I am not able to apply the late policy to the Simulation Decisions due to the nature of the associated deadlines. I also cannot apply the late policy to the MFT. Other assignments may be included in this policy as an exception as necessary throughout the semester.

Make Up Work/Tests

Assignments are expected to be submitted by the deadline listed in the course schedule. Late work will receive a 10% deduction for each calendar day it is late, beginning immediately after the posted deadline. For example, an assignment submitted one day late will receive a 10% deduction, two days late a 20% deduction, and so on. After 10 days, the assignment will no longer be accepted and will receive a zero.

It is the student's responsibility to plan ahead and allow adequate time for submission. Technology issues, work schedules, travel, or waiting until the deadline to submit generally do not excuse late work. If an emergency or university-approved absence prevents you from completing an assignment on time, please contact me as soon as possible.

Important Dates

- Last day for term schedule changes: August 27, 2026
- Deadline to file for graduation: September 21, 2026
- Last Day to drop with a grade of "W": November 23, 2026
- Refer to: [Drops, Withdrawals & Void](#)

Desire-to-Learn (D2L)

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

Attendance

Students are expected to attend all meetings of the classes in which they are enrolled. Although in general students are graded on intellectual effort and performance rather than attendance, absences may lower the student's grade where class attendance and class participation are deemed essential by the

faculty member. If you miss three Tuesday classes, except for exam days, you will lose all 50 participation points. If you miss four or more classes, you will be dropped from the class. You will be given a verbal or written warning prior to being dropped. Instructor's records will stand as evidence of absences. Any individual faculty member or college has the authority to establish an attendance policy, providing the policy is in accordance with the General University Policies.

Online Computer Requirements

Taking an online class requires you to have access to a computer (with Internet access) to complete and upload your assignments. It is your responsibility to have (or have access to) a working computer in this class. ****Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings.*** Computers are available on campus in various areas of the buildings as well as the Academic Success Center. ****Your computer being down is not an excuse for missing a deadline!!*** There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations; however, they are able to help you get connected to our online services. For help, log into [D2L](#).

Recording Classes

****Recording classes is generally prohibited without the professor's explicit permission.*** Such recordings, when permitted, are for personal use only and may not be uploaded to the internet or otherwise shared, transmitted, or published without the professor's prior consent. Some faculty may not permit recordings of their classes. When it is feasible and appropriate, students may record classes to accommodate disabilities under the Americans With Disabilities Act, with prior approval of Disability Support Services. Such recordings may not be uploaded to the internet or otherwise shared, transmitted, or published.

Instructor Class Policies

Professional Communication and Conduct: Consistent with the Dillard College of Business Administration's commitment to professionalism, students are expected to communicate respectfully and professionally in all course-related interactions, including email, D2L, and team communication. Disagreement, questions, and concerns are always welcome; disrespectful, hostile, threatening, or demeaning communication is not. A first instance of unprofessional communication will generally result in a warning and an opportunity to correct the communication. Repeated or serious violations may result in a deduction of up to 10% of the student's overall course grade. When in doubt: Be respectful, be professional,

and remember that how you communicate matters just as much as what you communicate.

24/7 Policy: Students who have a question or concern about a grade should wait at least 24 hours after the grade and feedback are posted before contacting Professor Forrester. This time should be used to review the assignment instructions, rubric, submission, and feedback. Grade questions or concerns must then be raised within 7 days of the grade being posted. After seven days, the grade will be considered final except in the case of a calculation or recording error. For example: If a grade is posted on Monday at 3:00 p.m., you should wait until at least Tuesday at 3:00 p.m. before contacting Professor Forrester with a question or concern about the grade. During those 24 hours, review your submission, the assignment instructions, rubric, and any feedback provided. If you still have a question after 24 hours, you are welcome to contact Professor Forrester. However, you must do so within seven days of the grade being posted. In this example, your question or concern must be raised by the following Monday at 3:00 p.m.

Zoom: To Zoom into the class, you must have emailed me beforehand to let me know. If you live in the Wichita Falls area, you need to be attending class in person. To be counted present for class, you must attend the Zoom class at the scheduled class time and attend with your camera on. I will post the recordings, but watching it after the scheduled class time does not count as attending class.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational

programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Student Wellness Center, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

Emergency Aid Resources for Basic Needs

Unexpected life circumstances can affect anyone. If you are experiencing challenges meeting basic needs—such as housing, utilities, food, transportation, healthcare, technology, textbooks or other life necessities, resources may be available to help. Visit the [Student Emergency Support and Resources webpage](#) to learn more, and explore emergency support opportunities through MSU and how to access them. For additional information, please contact the Office of Student Affairs: Clark Student Center #108, (940) 397-7500, student.affairs@mstuexas.edu.

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

Campus Carry

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still

requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [MSUReady – Active Shooter](#). Students are encouraged to watch the video entitled “*Run. Hide. Fight.*” which may be electronically accessed via the University police department’s webpage: [“Run. Hide. Fight.”](#)

Grade Appeal Process

Update as needed. Students who wish to appeal a grade should consult the Midwestern State University [MSU Catalog](#)

***Notice:** Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Course Schedule:

Week or Module	Activities/Assignments/Exams	Due Date
Week 1 8/24 to 8/29	August 25 – What is Energy Management? August 27 – Chapter 1 of The Global Oil and Gas Industry, OPEC History	August 27, 2026
Week 2 8/30 to 9/5	September 1 – How the Energy Business Works September 3 – Chapter 1 of Oil and Gas Law and Taxation: The Mineral Estate, Quiz 1	September 3, 2026
Week 3 9/6 to 9/12	September 8 – Oil and Gas Leasing September 10 - Finders Keepers? How the Law of Capture Shaped the World Oil Industry by Terence Daintith, Can the Rule of Capture be Rationalized?, The Rule of Capture – An Oil and Gas Perspective, Pierson v. Post, Quiz 2, Project Mustang Company Launch and Energy Opportunity	September 10, 2026

Week or Module	Activities/Assignments/Exams	Due Date
Week 4 9/13 to 9/19	September 15 – Land, Minerals, Ownership, and The Rule of Capture September 17 –Hints on Negotiating an Oil and Gas Lease, Checklist for Negotiating an Oil and Gas Lease, Quiz 3, Mineral Ownership and Land Analysis	September 17, 2026
Week 5 9/20 to 9/26	September 22 – Negotiating the Deal September 24 – Chapter 3 - Access, Leasing, and Exploration, Oil and Petroleum Products Explained, Quiz 4, Lease Analysis, and Graduate Energy Management Research Paper Topic Submission	September 24, 2026
Week 6 9/27 to 10/3	September 29 –Geology and Finding Energy October 1- The Economic Benefits of Oil and Gas, 2026 Oil and Gas Industry Outlook, Patriot Energy Rig Site Drilling Process, Life Cycle of Oil and Gas Wells – from Drilling to Completion, How Oil Becomes Fuel: Complete Oil and Gas Production Process Explained Step by Step, Quiz 5, Lease Negotiation	October 1, 2026
Week 7 10/4 to 10/10	October 6 – Drilling, Production, and Economics October 8 – Chapter 13 – Sales and Marketing of Petroleum Products (part of Exam 2, not Exam 1), Quiz 6	October 8, 2026
Week 8 10/11 to 10/17	October 13 – Online Exam October 15 – Drilling and Economics Decision	October 15, 2026
Week 9 10/18 to 10/24	October 20 – From the Wellhead to the Power Outlet October 22 – Nuclear 101: How Does a Nuclear Reactor Work, Advantages and Challenges of Nuclear Energy, Nuclear power is China’s key for transitioning to a fully renewable grid design, Quiz 7	October 22, 2026

Week or Module	Activities/Assignments/Exams	Due Date
Week 10 10/25 to 10/31	October 27 – Nuclear Energy October 29 - The status and prospects of renewable energy for combating global warming, Graduate Energy Management Analysis Paper	October 29, 2026
Week 11 11/1 to 11/7	November 3 – Renewable Energy November 5 – Reliability Explainer, Electricity Explained, Quiz 8	November 5, 2026
Week 12 11/8 to 11/14	November 10 – Reliability, the Grid, and Energy Storage November 12 – Chapter 15, The Future of the Global Oil and Gas Industry, Quiz 9	November 12, 2026
Week 13 11/15 to 11/21	November 17 – The Future of Energy Management November 19 –Quiz 10, Management Crisis and Stakeholder Response	November 19, 2026
Week 14 11/22 to 11/28	November 25 – Online Exam	November 25, 2026
Week 15 11/29 to 12/5	December 1 – Final Presentations December 3 – Project Mustang Final Reports	December 3, 2026
Week 16 12/7 to 12/13	December 8 – Final Presentations	December 8, 2026