

Energy Analysis Syllabus

Finance 4397/7397

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The entry level position in the energy industry is normally as an analyst. This can vary from market analysis to structured products to risk, etc. The purpose of this course is to give the student hands on exposure to energy analysis.

Crude will be the market emphasized during this class.

There will be several deliverables during the semester:

- 1) Status of the petroleum markets, a detailed review

It will take several sessions of discussions of third party current presentations. During the first few classes we will go over the RBN/Turner Mason "Surviving the Storm of Light Crude Oil" presentations of August 19 & 20, 2014. The class will develop a decision tree (model) to determine the best market opportunities of light crude in the midstream space.

- 2) Market Analysis.

Whether the student will work in this area of analysis is not critical, what is important is that the student learns how to look at all of the available information (fundamental & technical) and make informed statements about the present market and likely future developments.

- 3) Price/Quantitative Analysis

Price and quantitative analysis is a key component of an analyst's job. During the semester there will be various assignments that could cover:

- Crude forward curves
- Crude basis (seasonality & basis)
- Storage Modeling
- Monthly pricing versus daily
- Value @ Risk
- Crude gas energy market analysis

Resources:

- Bloomberg's
- Reuters
- Various daily market and data reports

- Various weekly market and data reports
- Periodic governmental reports

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