

**Sellinger Applied Portfolio** 

Portfolio Review | Fall 2014



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Fall 2014

# **OVERVIEW**



# Sellinger Applied Portfolio Overview

### **Background**

The Sellinger Applied Portfolio, "SAP Fund," is a student-managed investment portfolio. Each year the University may provide the portfolio with up to \$500,000 to invest. These funds are a component of the University's endowment.

### **Fall 2014**

21 students managed the portfolio over the fall semester of 2014 and recommended a number of buys and/or sells via the process outlined below:





# Sellinger Applied Portfolio Overview

### **Objective**

Select stocks that are undervalued and will outperform their industry and the S&P 500 index over the course of the investment period.

### **Mandate**

Asset allocation targets:

- Not more than 10% invested in any one stock
- Not more than 20% invested in any one sector
- Not more than 25% invested in any one index
- 40% Value | 40% Growth | 20% Dividend
- No "sin" stocks

### **Benchmark**

S&P 500 Index



Fall 2014

# **ECONOMIC CONDITIONS**



### Market Overview

- Fairly Volatile Semester for DJIA
  - Fell ~ 5% Mid October
    - "Mini Recession"
      - Ebola, ISIS, Oil prices, Russia/Ukraine conflict
  - Rose ~ 11% from low to exceed record highs







### S&P 500 3-Month and 1-Year Returns







# **Federal Reserve Policy**

### Ongoing events contributing to FED policy

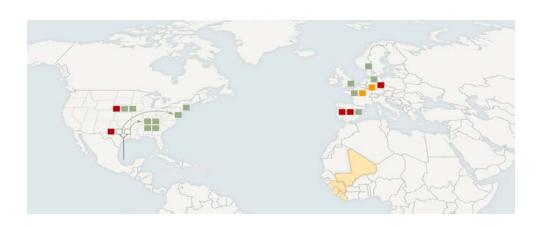
- This October the Federal Reserve ended its quantitative easing program with GDP growing steadily and unemployment dropping throughout the year
- FOMC officials indicated that interest rates are going to be low for longer than expected, with rate hikes predicted to occur after March of 2015.
  - Weak International growth in both the Eurozone and Asian markets
  - Appreciating U.S. dollar hurting U.S. exports
  - Labor market under utilization
  - Federal Reserve still in pursuit of full employment
    - Expansionary policy still being pursued at year end with federal funds rate remaining constant

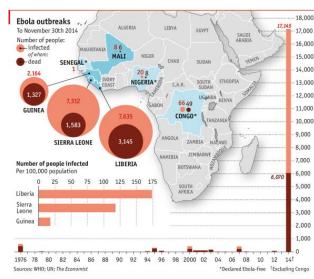




### **Ebola**

- Outbreak began in West Africa
- Has sickened 14,413 people since March and has killed 5,177 as of November 14<sup>th</sup>
- Affected airline stocks and pharmaceutical companies but no stocks that were present in our portfolio







### **International Growth Concerns**

### Japan

- In November Japan entered a recession with a second consecutive quarter of decline in GDP growth
- GDP Contracted 1.6%, analysts predicted GDP to expand by 2.25%
- Recession likely attributed to Sales Tax hikes hurting consumer spending
- Japan surprisingly increased stimulus to 80 trillion yen per year, boosting the global stock markets to all time highs

### Eurozone

- Eurozone GDP forecasts have been cut again in December with the overall Eurozone economy predicted to expand at .8% this year
- Draghi has reassured global investors that the ECB will reassess the need for QE at the beginning of 2015
- ECB's decision to hold off on QE shook European markets, investors are optimistic for additional stimulus to be announced in January

# Japan's economy has shrunk for two quarters in a row. Quarterly change in GDP, annualized. 10% 5 -10 -10

### Eurozone GDP growth

ECB forecasts (annual % change in GDP)



Source: ECB



### Oil Price Concerns

### Winners of International Oil Price Crash

- Oil prices around the world have fallen more than 38 percent since the year's high in June.
- Among the winners are airlines which are saving in fuel and beneficial to two of our portfolio holdings
- Bank of America predicts airline earnings will gain 73 percent in 2015

### Losers of International Oil Price Crash

- Cheaper oil challenges the economic developments of Canada's oil sands and may slow down the Keystone XL pipeline
- Railroad stocks fell as investors bet that lower oil prices would curtail rail shipments



### **ISIS**

### Started as an al Qaeda splinter group

 Aim to create an Islamic state across Sunni areas in Iraq and Syria

### Currently controls hundreds of square miles

- Ignores international borders
  - Rules by Sharia Law

### **Known For**

- Killing dozens at a time
- Public executions
- Beheadings



### **ISIS**

### **Investor Concerns**

- Has not affected the stock market drastically
- Markets have remained impervious to political turmoil this year
  - Investors would only be concerned with ISIS if started to destroy oil refineries

### American attacks on ISIS

Carried out airstrikes on ISIS stronghold in northern Syria



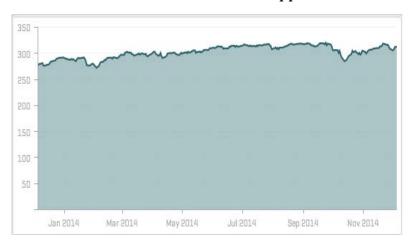
Fall 2014

# **SECTOR SUMMARIES**



# **Basic Materials**

The sector is comprised of firms involved with the discovery, development and processing of raw materials. Other subsectors include miners and refiners of metals, chemical producers and forestry product companies. BM is sensitive to supply and demand fluctuations because the price of raw materials, such as gold or other metals, is largely demand driven. According to S&P indices, the Basic Materials sector has returned 15.97%, which underperformed the larger S&P 500 by 2.7%. To see above-average return, the economy must realize consecutive quarters of positive GDP (a strong economy can afford to invest in construction projects that in turn increase the demand for the products and services of firms within BM). Although the U.S. economy is currently roaring, European and Asian economies are in troubled states. Accordingly, BM's current weight in the S&P 500 is about 3.2%. Our view of BM is that there are considerable macroeconomic factors outside the United States, which raise our skepticism toward further allocated investment in this sector. With such a tentative view of this sector, we have approached our allocation (3%) similar to the S&P 500(3.2%).



### Stocks to Watch

Alcoa (AA)

Dow Chemical Co (DOW)

DuPont (DD)

Sherwin-Williams Co (SHW)

YPF Sociedad Anonima (YPF)

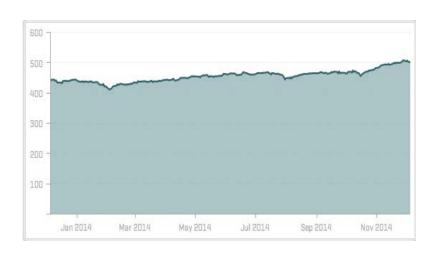


# **Consumer Staples**

Consumer Staples includes companies that focus on manufacturing and distribution of food, beverages, tobacco, as well as producers of non-durable household goods and person products. By nature, the sector is less sensitive to economic cycles.

In the past year, Consumer Staples has returned 18.3%, which barely underperformed the S&P 500 by 37 basis points. The S&P 500 allocates 9.9% to Consumer Staples currently.

Our target allocation was 5.93%, which is nearly 4% less than that of the S&P 500's 9.9%. As China and Germany struggle and Japan spirals downward, manufacturing, too, will slow. We viewed this sector bearishly.







# **Financials**

The Financials sector is comprised of firms that operate both domestically and internationally in a host of capital market processes including investment banking, asset based lending, fixed income securities, capital financing, equity trading and investments, credit services and insurance brokerages, etc.

The global economy depends on the financial institutions to function naturally. However, various ethical lapses in the sector led up to the worst recession experienced since the 1920s. In response, the U.S. government increased oversight of the major banks, which in return has caused revenues to deteriorate. The increased regulation, negative public sentiment, and the onslaught of cyber security breaches were red flags in our eyes as we determined our target allocation. Although the sector has outperformed the S&P 500 by 1.17%, we believe the sector carried substantially higher risk presently.

Our targeted allocation for this sector was 8.27% while the S&P 500 holds 16.2%.



### Stocks to Watch

Bank of America (BAC)

Wells Fargo (WFC)

Goldman Sachs Group, Inc (GS)

JPMorgan Chase & Co. (JPM)

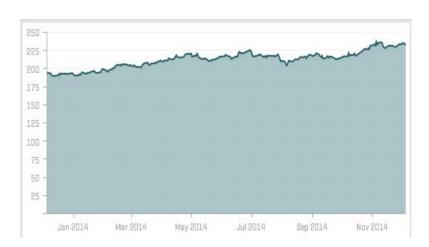


# **Utilities**

The Utilities sector covers firms focused on the generation and distribution of electricity, gas, water, etc. Interest rate changes impact this sector immensely because utility companies normally have large amounts of debt.

With the Fed ending their QE program, Janet Yellen (Fed Chairwoman) has made it clear that interest rates will be raised from their historically low levels. In response to this, we feel the utilities sector will suffer as this process unfolds. In the past year, the sector has crushed the S&P 500 by roughly 7%. This in part is from extremely low interest rates. With Janet Yellen and the Fed in mind, we wanted to limit our exposure to this sector.

We allocated no capital to Utilities while the S&P 500 held 3%.



### Stocks to Watch

Duke Energy Corp (DUK)

Dominion Resource, Inc. (D)



# Healthcare

The Healthcare sector includes firms related to medical and healthcare goods or services (i.e., hospital management organizations (HMOs), biotechnology). This sector is less sensitive to economic cycles because the demand for healthcare goods and services is relatively constant.

Over the past year, the sector has returned nearly 14% more than the S&P 500. Three reasons for this: (1) the continuation of the bull market (2) the Affordable Care Act's lag period is over (3) increase M&A activity

With this in mind, our target allocation (14%) for this sector was similar to the S&P 500 (14.3%).



### Stocks to Watch

Pfizer Inc. (PFE)

Johnson & Johnson (JNJ)

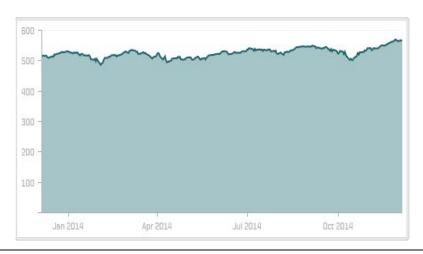
Merck & Co., Inc (MRK)



# **Consumer Discretionary**

Consumer Discretionary consists of firms that offer non-essential goods and services including retailers, hotels, restaurants, leisure, media companies, consumer services companies, consumer durables, etc. Historically, consumer discretionary performs better in bullish markets. To track this sector, we used the SPDR ETF, which currently has a 52-week range of \$61.03 to \$71.95. The current weight of the Consumer Discretionary sector in the S&P 500 is about 11.90%. Year-to-date, the Consumer Discretionary sector has underperformed the S&P 500 by 5.2%. Over the last three months, the Consumer Discretionary sector has basically been in lockstep with the overall index, only underperforming by 10 basis points.

Consumer spending has been dismal overall for 2014. A sluggish economic recovery coupled with a natural post-crisis deleveraging amongst American households has hurt the sector in a significant way. While the holiday season offers a substantial bullish opportunity, weak consumption numbers early on have been a drag on the sector as expectations continue to decline for the underlying firms.



### Stocks to Watch

Priceline (PCLN)
Southwest Airlines (LUV)
Starbucks (SBUX)

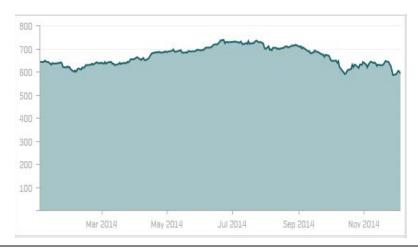


# Energy

The Energy sector is comprised of firms representing the oil, gas, consumable fuels, and equipment and service provider industries. Historically, the sector is mildly more volatile than the market, being much more sensitive to fluctuations in oil and gas prices, as well as new technological developments. YTD performance has been drastically adversely affected by recently plummeting oil prices which caught many off guard, sending the energy ETF down over 9% on the year, suffering a 17% decline in the past three months. '

While turmoil in the middle east usually provides a lift to crude prices, geopolitical conflict over the summer in Syria and Iraq did not disrupt production, and Libya actually increased its overall supply, as two factions are both selling oil to fund civil war efforts.

More recently, an OPEC decision to cut prices again and maintain production levels took many investors off guard, sending futures even lower. As OPEC initiates a price war with US shale gas producers, consumers benefit from cheaper fuel prices while energy firms suffer material hits to their revenues.



### Stocks to Watch

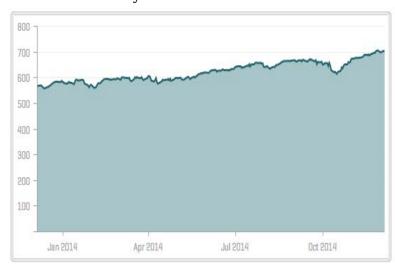
Schlumberger (SLB)
Halliburton (HAL)
Honeywell (HON)



# **Information Technology**

The Information Technology sector is comprised of companies who focus on two general areas: Technology Software & Services and Technology Hardware & Equipment. Firms earn profits through the manufacturing of electronics, creation of software, maintenance of computers or products and services relating to information technology.

Online service portals are under heavy pressure to transform user traffic into revenue through various different avenues. Semi-Conductor stocks tend to perform well at the front-end of an economic cycle. They have played a large role in this sector's year to date success due to its 47% growth. Computer hardware has also shown excellent growth- 39.5% year to date. IT Services and Consulting has shown the least growth year to date- 4.47%. The sector as a whole has grown by 2.2% over the past 3 months and 21% year-to-date.



Stocks to Watch

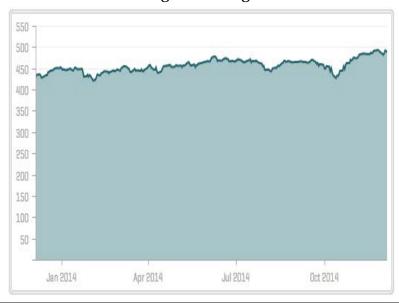
Apple (AAPL) Facebook (FB)



# **Industrials**

The Industrials sector is comprised of a wide variety of firms including but not limited to firms involved in construction, aerospace, defense, machinery, tools, and several other industries. The sector is largely dependent on supply and demand for building construction as well as the demand for manufactured products. In the event of an economic contraction consumers save more and spend less, as a result the industrials sector drops because companies will cut back on expansion and produce fewer goods.

The Industrials sector has grown by 1.27% over the past 3 months but has declined by .48% year to date. The Heavy Electrical Equipment industry has played a major role in this slow growth due to its -11.2% decline year to date. Airline stocks within the sector have performed very well over the past year showing a 63.54% growth. Rails & Roads have also shown excellent growth.



### Stocks to Watch

(NOC)
Southwest Airlines
(LUV)
Caterpillar (CAT)
Lockheed Martin (LMT)

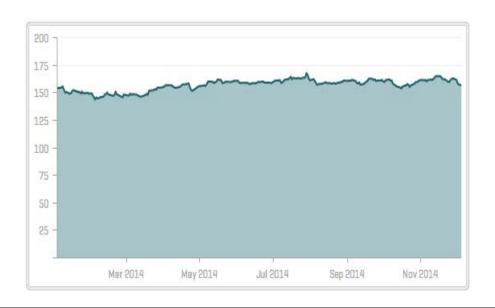
Northrop Grumman



# **Telecommunications**

The Telecommunication services sector contains companies that provide communications services primarily through fixed-line, cellular, wireless, high bandwidth and/or fiber optic cable network. Integrated Telecommunications services have grown by almost 10% over the past year. However, Wireless telecommunications services have declined by 2.5%.

Overall the sector has seen an increase of 5.26% in the past year. Large growth can be found in companies who provide fast connection rates and provide better security for their customers.







Fall 2014

# PORTFOLIO STRATEGY & COMPOSITION



# **Growth Strategy Overview**

### To find stocks expected to grow faster than their industry peers

### **Buy Criteria**

- Conservative Mentality Expect to perform better than Industry
- Revenue growth ≈> industry average and forecasted to Continue
- Strong Earnings ~ 5 years of CAGR
- ROE ≈ ≥ 15% and > Industry Average
- PEG ≈ ≤ 1.2 and < Industry Average
- Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)

### **Sell Criteria**

Re-evaluate positions when:

- The price reaches 10% below target price
- The price is 20% above purchase price.

Evaluate Sell under following:

- Company loses its leadership position
- Company business fundamentals deteriorate.
- Slowing unit volume, revenue decline, etc.
- Superior investment alternatives are identified.



# **Growth Strategy Overview**

### **Stop Loss Criteria**

- Establish at 80% of Purchase Price
- Evaluate as information and stock price changes
- If stock appreciates move stop loss up accordingly (consider trailing / crawling stop)
- If company business fundamentals deteriorate raise stop loss or sell per sell criteria
- Earnings miss, lower guidance, slowing revenue growth etc.

### **Position Changes**

Priceline

Southwest Airlines

**EOG** Resources

Slumberger

**Amtrust Financial Services** 

Facebook

**Method Electronics** 



As of December 4, 2014

### PCLN | TICKER

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
PCLN	YES	30.1% vs. 7.8%	29.2	14.3% vs. 10.7%	.8	4. vs .5

### **Position Change**

Purchase 14 shares (\$16416.4)

PCLN was bought due to an expected increase in average salaries, which would result in an increase in discretionary spending.



As of December 4, 2014

### **SOUTHWEST AIRLINES | LUV**

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
LUV	Yes	13.5% >9.7%	18.32% vs. 3.73%	16% > 38%	1.5	0.3 < 1.6

### **Position Change**

Purchased 450 shares (\$17358.75)

Southwest Airlines stands to benefit from lower jet fuel costs. Due to the Ebola scare LUV appeared to be undervalued.



As of December 4, 2014

### **EOG RESOURCES | EOG**

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
EOG	Yes	15.2% > -15.1%	9.9% vs. 9.6%	15.5% > 5.9%	0.78	0.3 < 0.5

### **Position Change**

Purchase 220 shares (\$20,382.12)

EOG has a knack for creative cost control, sizeable positions that should drive production, and significant know-how regarding drilling.



As of December 4, 2014

### **SLUMBERGER| SLB**

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
SLB	Yes	17.4% v 16%	11% v 9.8%	17.4 > 10.8%	.9	.3 < .4

### **Position Change**

Purchased 350 shares (\$11,691.36) Stop-lossed at 20%

As oil becomes more expensive to extract oil service firms will benefit. Also SLB's aggressive R&D stands to expand market share and profits.



As of December 4, 2014

### FACEBOOK | FB

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
FB	Yes	58.6% > 28.6%	N/A vs. 19.5%	15.55% > 12.5%	1.05 < 1.98	0.0 < 0.1

### **Position Change**

Purchase 165 shares (\$12,672)

Facebook has a large customer base across multiple countries. They have a strong portfolio of mergers and acquisitions recently and have been experimenting with a new way of online advertising.



As of December 4, 2014

### METHODE ELECTRONICS | MEI

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
MEI	Yes	21.8% vs. 3.5%	12.5% vs 3.7%	29.2% > 9.1%	0.76 vs. 1.32	0.1 > 0.3

### **Position Change**

Purchased 200 shares (\$17,916.40)

Methode Electronics maintains a diverse amount of products across a broad range of industries. Because of this, they have a strong, loyal customer base.



As of December 4, 2014

### **AMTRUST FINANCIAL | AFSI**

### **Buy Criteria**

	Conservative Mentality – Expect to perform better than Industry	Revenue growth ≈> industry average and forecasted to Continue	Strong Earnings ~ 5 years of CAGR	ROE ≈ ≥ 15% and > Industry Average	PEG ≈ ≤ 1.2 and < Industry Average	Debt / Equity < 1.5 (or Acceptable Interest Coverage Ratio when D/E >1.0)
AFSI	Yes	39.1% vs. 5.2%	36.2% vs 6.9%	24.1% > 10.2%	0.59 vs. 1.10	0.5

### **Position Change**

Purchased 350 shares at \$89.582 (\$14,280.00)

AmTrust Financial is globally diverse, providing operations in developed and developing markets. The company offers specialty insurance programs that allow for a diverse mix of products.



# Value Strategy Overview

### To find stocks priced less than their intrinsic value.

### **Buy Criteria**

- Price/Sales < industry average
- Price/Book Value < industry average
- Dividends > Industry Average
- Positive Free Cash Flow

### Sell Criteria

Re-evaluate positions when:

- Merger or acquisition news
- Significant earnings restatement
- Change in executive management
- Exceed initial price target
- Price approaches sell stop
- Superior investment alternatives are identified

Evaluate Sell under following:

- Beginning to trend downwards
- Significant industry news



## Value Strategy Overview

### **Stop Loss Criteria**

- 20% below purchase price if all buy criteria are met
- Adjust lower for additional risk (i.e., some buy criteria are not met)
- Increase stop loss to take profit as price increases
- Consider the use of crawling / trailing stops as stock begins to rise.

### **Position Changes**

Wal-Mart
Caterpillar
Norfolk Southern Group
Stanley Black & Decker Inc.
Abbott Laboratories





As of December 4, 2014

## WAL-MART | WMT

## **Buy Criteria**

	Price/Sales < Industry average	Price/Book Value < industry average	Total cash dividends paid annually	Positive Free Cash Flow
WMT	0.5 vs. 0.6	3.2 vs. 3.7	2.4% vs. 1.8%	Yes

#### **Position Change**

Purchased 135 shares (\$10,241.64)

Wal-Mart Inc., prides itself in having the lowest prices for its consumers. It is competitive in the online shopping market as well as physical locations. An expanding model for new services makes it more unique than its competitors.



As of December 4, 2014

## CATERPILLAR | CAT

## **Buy Criteria**

	Price/Sales < Industry average	Price/Book Value < industry average	Total cash dividends paid annually	Positive Free Cash Flow
CAT	1.2 vs. 0.8	3.2 vs. 2.5	2.6% vs. 2.4%	Yes

### **Position Change**

Purchased 145 shares (\$14,298.45)

Caterpillar has a loyal customer base and the demand for their products is pretty inelastic. Its hold on the mining market keeps the demand inelastic and is a major revenue contributor.



As of December 4, 2014

## NORFOLK | NSC

## **Buy Criteria**

	Price/Sales < Industry average	Price/Book Value < industry average	Total cash dividends paid annually	Positive Free Cash Flow
NSC	3.0 vs. 3.7	2.8 vs. 3.8	2.0% vs. 1.4%	Yes

### **Position Change**

Purchased 170 shares (\$18,516.23)

Norfolk has better profit margins than its industry peers and freight shipping is becoming a cheaper transportation method for companies. This is good news for the fourth quarter because of the increased goods traffic for the holidays. Also, they have proven to be pretty resilient in bad market conditions, which was the case at the time of the purchase.



As of December 4, 2014

## STANLEY BLACK & DECKER | SWK

### **Buy Criteria**

	Price/Sales < Industry average	Price/Book Value < industry average	Total cash dividends paid annually	Positive Free Cash Flow
SWK	1.3 vs. 1.5	2.1 vs. 2.7	2.1% vs. 1.6%	Yes

### **Position Change**

Purchased 150 shares (\$13,990.50)

Stanley Black & Decker is very well diversified in terms of its product line. It has a everything from tools to home appliances. Its tool line is considered to be the best in the construction industry, which provides a steady revenue stream. Its exceptional performance over the past few years and acquisition specialty companies, we decided that this would be a good investment.



As of December 4, 2014

### ABBOTT LABORATORIES | ABT

### **Buy Criteria**

	Price/Sales < Industry average	Price/Book Value < industry average	Total cash dividends paid annually	Positive Free Cash Flow	
ABT	3.2 vs. 4.2	3.0 vs. 3.7	1.9% vs. 0.6%	Yes	

### **Position Change**

Purchased 230 shares (\$10,145.07

Abbott spun off their pharmaceuticals sector in order to get back to their core focus, medical devices and nutritional products. Due to the core focus we believed this well established company would yield good returns.



## **Dividend Strategy Overview**

# To find stocks fairly priced and offering a dividend yield greater than the S&P 500.

#### **Buy Criteria**

- Dividend Yield ≥ SPDR S&P Dividend ETF
- Quick Ratio ≥ Industry Average
- Total cash dividends paid annually
- Total cash from investing activities
- Total cash from operating activities
- Is there a constant dividend?
- Is there historical and potential dividend growth?

#### **Sell Criteria**

Evaluate Sell under following:

- Superior investment alternatives are identified
- Dividends are cut
- Free cash flow diminishes
- Stock price loses (≈20%)



# **Dividend Strategy Overview**

### **Stop Loss Criteria**

- 20% below purchase price is all buy criteria are met
- Consider crawling / trailing stops to protect profits.

### **Position Changes**

Chevron



## **Dividend Strategy Position Changes**

As of December 4, 2014

## CHEVRON | CVX

## **Buy Criteria**

	Dividend Yield ≥ SPDR S&P Dividend ETF	Quick Ratio ≥ Industry Average	Total cash dividends paid annually	Total cash from investing activities	Total cash from operating activities	Is there a constant dividend?	Is there historical and potential dividend growth?
CVX	3.43% vs. 2.17%	0.99 vs. 0.32	Yes	Yes	Yes	Yes	Yes – 3.55%

#### **Position Change**

Purchase 145 Shares (\$17,125.12) Stop-lossed at 20%

Chevron offers dividend income with growth expectations above the industry average. They have historically increased dividends with most recently increasing by \$.070 in February 2014



# **ETF Strategy Overview**

Other than maintaining existing positions invested, this strategy was only utilized once during the semester

#### **Buy Criteria**

- Dividend Yield ≥ SPDR S&P Dividend ETF
- Quick Ratio ≥ Industry Average
- Total cash dividends paid annually
- Total cash from investing activities
- Total cash from operating activities
- Is there a constant dividend?
- Is there historical and potential dividend growth?

#### **Sell Criteria**

Evaluate Sell under following:

- Superior investment alternatives are identified
- Dividends are cut
- Free cash flow diminishes
- Stock price loses (≈20%)



## **ETF Strategy Position Changes**

As of December 4, 2014

## **GUGGENHEIM SOLAR ETF | TAN**

### **Buy Criteria**

Ticker	Dividend Yield ≥ SPDR S&P Dividend ETF	Quick Ratio ≥ Industry Average	Total cash dividends paid annually	Total cash from investing activities	Total cash from operating activities	Is there a constant dividend?	Is there historical and potential dividend growth?
TAN	3.5% vs. 2.18%	0.9 vs. 0.08	Yes	Yes	Yes	Yes	Yes

### **Position Change**

Purchased 545 shares (\$20,382.13)

We expect that the solar industry will continue to outperform the energy sector in general. Despite the decline in oil prices, we expect that solar profit margins will continue to hold steady and that solar incentive programs will be renewed in 2015. TAN gives the portfolio exposure to all companies in the solar industry which allows for industry focused diversification.



As of December 4, 2014

### TECHNOLOGY SELECT SECTOR SPDR FUND | XLK

#### **Rationale**

- Sold upon purchase of 400 shares of Methode Electronics (MEI) at an acquisition value of \$15,691.60.
- Kept Information Technology sector exposure around target weight of 19.50%.
- Mangers reasoned that MEI was expected to outperform the technology sector ETF.

## **Position Change**

Sell complete position of 361.056 shares at a market value of 14,489.53.

XLK was sold on the premise that Methode Electronics was to outperform the SPDR Technology Sector ETF.



As of December 4, 2014

### INDUSTRIAL SELECT SECTOR SPDR ETF | XLI

#### **Rationale**

- Sold to return portfolio exposure of Industrial sector to target weight of 15.00%.
- The current portfolio exposure to the industrials sector is now overweight at 17.72%.
- Cash collected from transaction was used to fund future equity purchases.

#### **Position Change**

Sell partial position of 280.0 shares at a market value of 16,010.40.

The portfolio managers reasoned that an extremely overweight position in the industrials sector would not be in the best interest of the fund. Although the managers expected the Industrial sector to outperform, exposure of this magnitude was too great to maintain.



As of December 4, 2014

### KOHLS COPORATION | KSS

#### Rationale

- Sold upon purchase of 450 shares of Southwest Airlines at an acquisition value of \$17,358.75.
- Mangers reasoned that LUV returns were to exceed potential returns on KSS.
- Proceeds from the sale of KSS were used to purchase LUV.
- KSS achieved the portfolio expected return and no additional value was expected in the short term.

#### **Position Change**

Sell complete position of 301.88 shares at a market value of 17,425.16.

The portfolio managers reasoned that Kohl's Corporation had produced enough returns and that Southwest Airlines would produce superior returns. Kohl's competitiveness in the clothing retail market was also questionable at the time of sale.



As of December 4, 2014

### QUALCOMM INC. | QCOM

#### **Rationale**

- Sold to decrease Information Technology sector exposure to the target of 19.5%.
- Took profit of approximately 10%.
- Fund managers reasoned that cash could be used more wisely elsewhere in the future.

#### **Position Change**

Sell complete position of 301.66 shares at a market value of 20,965.42

This position was liquidated mainly to decrease the portfolio exposure to the info tech sector down to its target weight. This sale allowed for several purchases including the Guggenheim Solar ETF (TAN) on 10/28/2014.



As of December 4, 2014

### RELIANCE STEEL AND ALUMINUM. | RS

#### Rationale

- Sold to partially fund the purchase of 241.00 shares of Halliburton Corporation (HAL) at an acquisition value of 14,792.10
- Remaining proceeds were used to reduce portfolio AUM value to its specified 500,000.00.
- Sale used to dial back overweight exposure to the Industrial sector.

#### **Position Change**

Sell complete position of 301.66 shares at a market value of 20,965.42

This position was liquidated mainly to decrease the portfolio value down to 500,000.00 and to dial back the exposure to the industrials sector. Proceeds were taken by Loyola University Maryland.



As of December 4, 2014

### MICHAEL KORS HOLDINGS LTD | KORS

#### Rationale

- Sold complete position in order to fund purchase of 1,172.00 shares of Priceline Group Inc. (PCLN) at an acquisition value of 16,416.80.
- Fund managers determined that upside potential for Priceline Group would exceed any returns achieved by holding KORS.
- KORS met/exceeded the expected returns on the portfolio. Therefore, the fund managers decided to seek new securities with larger potential upside.

#### **Position Change**

Sell complete position of 200.00 shares at a market value of 15,136.80

This position was liquidated due to many different factors including raising the necessary funds to purchase PCLN. Additionally, the price to book and price to sales ratios no longer met the portfolio requirements.



As of December 4, 2014

### MICHAEL KORS HOLDINGS LTD | KORS

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- Sold complete position in order to fund purchase of 1,172.00 shares of Priceline Group Inc. (PCLN) at an acquisition value of 16,416.80.
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#### **Position Change**

Sell complete position of 200.00 shares at a market value of 15,136.80

This position was liquidated due to many different factors including raising the necessary funds to purchase PCLN. Additionally, the price to book and price to sales ratios no longer met the portfolio requirements.



## Stop Loss Orders | Sell

As of December 4, 2014

### **Stop Loss Criteria**

- 20% below purchase price if all buy criteria are met
- Adjust lower for additional risk (i.e., some buy criteria are not met)
- Increase stop loss to take profit as price increases

Executed Stop Loss Orders						
Name	Ticker	Type	Date of Stop Loss	Price Per Share		Quantity
Schlumberger NV	SLB	Stock	9/12/2014	102.57	23,148.73	225.6871
Halliburton Co	HAL	Stock	10/14/2014	49.70	11,977.70	241.0000

Please note that stop loss orders were executed during extremely volatile trading days. Most executed orders are highly attributed to the major market correction experienced in mid-September to mid-October of 2014.



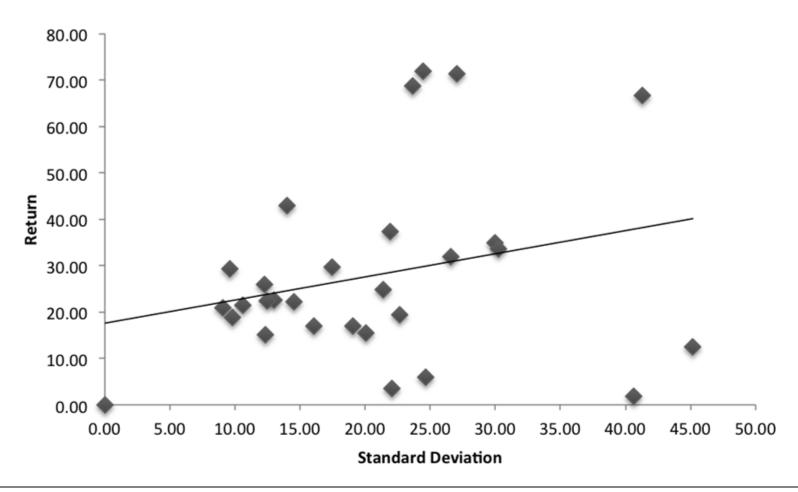
Fall 2014

## **PORTFOLIO RISK ANALYSIS**



As of November 30, 2014

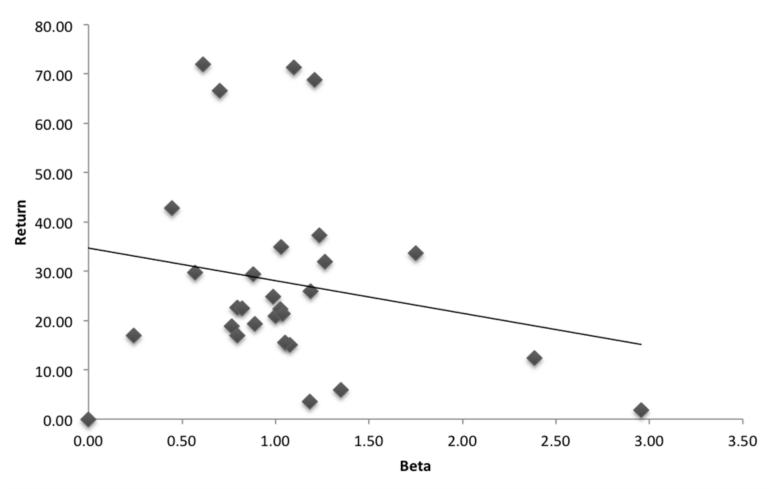
## **STANDARD DEVIATION VS. RETURN (3YR)**





As of November 30, 2014

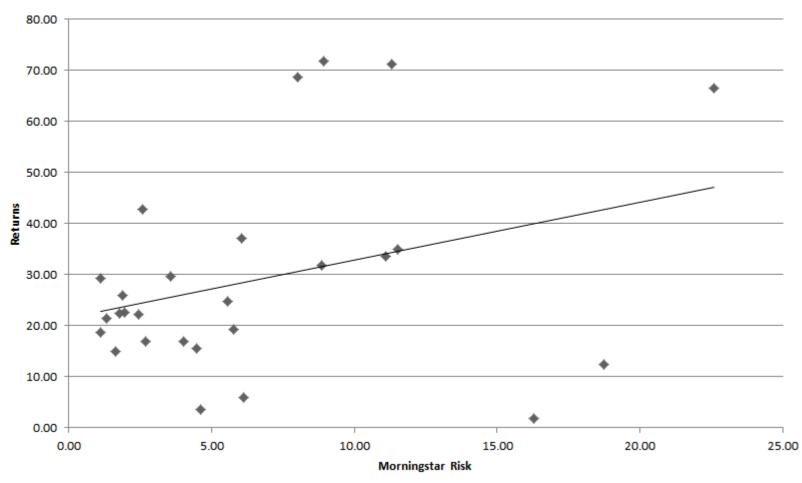
### **BETA VS. RETURN (3 YR)**





As of November 30, 2014

### **MORNINGSTAR RISK VS. RETURN (3 YR)**





As of December 4, 2014

#### **CORRELATION MATRIX**

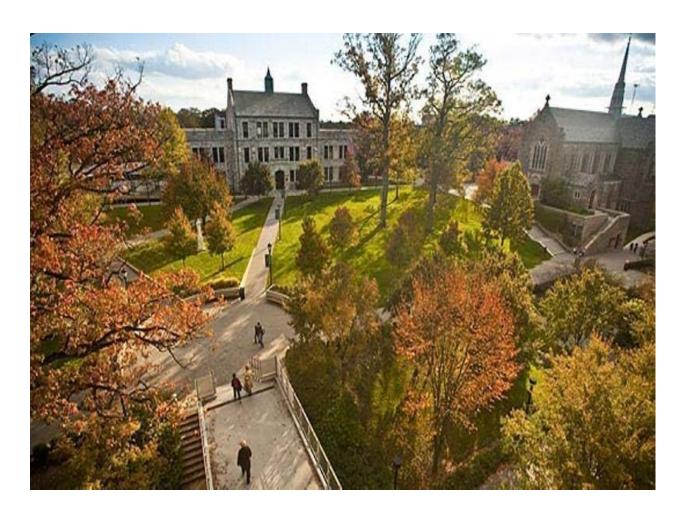


Portfolio remains highly diversified with just three securities and the SPDR SP 500 ETF showing a correlation coefficient greater than 0.70.



Fall 2014

## **PERFORMANCE**



Portfolio Holdings



## **Contents**

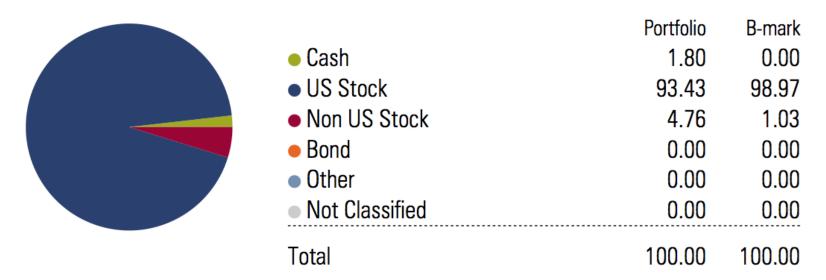
- I. Portfolio Analysis
- II. Portfolio Risk/Return
- III. Portfolio Performance
- IV. Top 10 Holdings (% Assets)
- V. Top 5 Winners
- VI. Top 5 Losers





# Portfolio Analysis

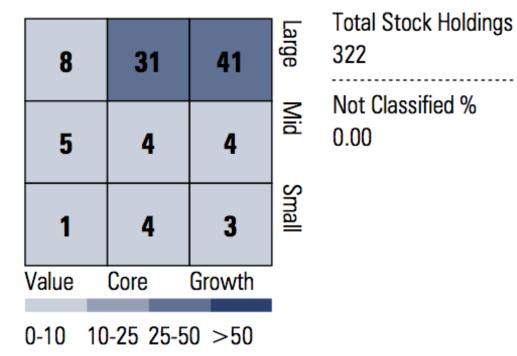
### **Asset Allocation**





## Portfolio Analysis

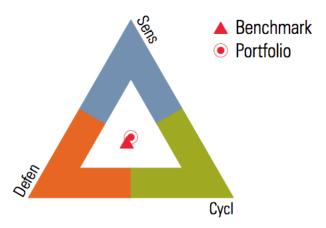
## **Equity Investment Style %**





# Portfolio Analysis

#### **Stock Sectors**



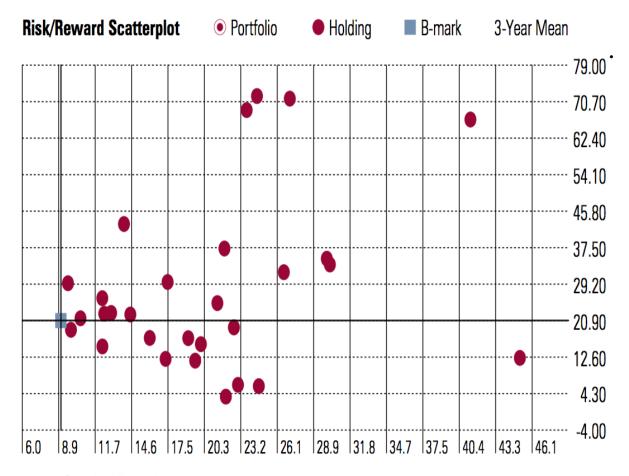
## Fall 2014 Outlook:

- Opportunities in Healthcare and Technology
  - Baby boomers in need of healthcare, new medicines, and physical therapy
- Slow growth in Financials
- Volatility in Energy
  - High supply, low demand driving oil prices down

		Portfolio %	Bmark %
$\rightarrow$	Defen	23.80	27.75
Ħ	Cons Defensive	9.59	9.85
+	Healthcare	13.90	14.80
•	Utilities	0.31	3.10
W	Sens	46.62	41.74
	Comm Svcs	0.05	3.96
0	Energy	5.74	8.39
Ф	Industrials	21.69	11.19
	Technology	19.14	18.20
Ն	Cycl	29.59	30.51
A	Basic Matls	6.90	3.05
A	Cons Cyclical	13.92	10.46
•	Financial Svcs	8.07	14.93
ŵ	Real Estate	0.70	2.07
Not	Classified	-0.01	0.00



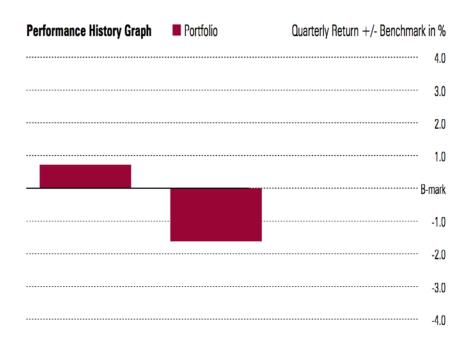
## Portfolio Risk/Return



3-Year Standard Deviation



## Portfolio Performance



Return of 4.46% vs. S&P 500 return of 3.81%

Portfolio Value \$521,420.85 (as of 11/30/14)



Holding	Ticker	Type	Holding Value	% Assets
Apple Inc.	AAPL	ST	42,681.85	8.19
Financial Select Sector SPDR ETF	XLF	ETF	27,961.52	5.36
FedEx Corp.	FDX	ST	27,541.04	5.28
Johnson & Johnson	JNJ	ST	24,801.10	4.76
Starbucks Corp.	SBUX	ST	21,215.73	4.07
Gilead Sciences Inc.	GLD	ST	21,067.20	4.04
Materials Select Sector SPDR ETF	XLB	ETF	20,979.77	4.02
Costco Wholesale Corp.	COST	ST	19,888.64	3.81
EOG Resources Inc.	EOG	ST	19,078.40	3.66
Norfolk Southern Corp.	NSC	ST	18,978.80	3.64

\*top 10 holdings out of 21 Source: Morningstar



## Top 5 Winners

- AmTrust Financial Services (+26.50%)
- Fedex Corp. (+19.71%)
- Costco (+17.78%)
- Sherwin Williams (+13.29%)
- Wal-Mart (+11.97%)





# AmTrust Financial Services (AFSI)



- **Sector**: Financials
- Return:
  - +26.50%
  - Increased common cash dividend by 25%
- 2Q earnings beat estimates
  - reported \$1.70EPS
  - revenue of \$1B
  - revenue up 37.7% YoY





# FedEx Corp. (FDX)



- **Sector**: Industrials
- **Return**: +19.71%
- 3Q earnings of \$2.10/share
  - Increase of 37% from same quarter last year
- Significant growth in online shopping, especially with free shipping incentives





#### Costco (COST)



- Sector: Consumer Staples
- **Return**: +17.78%
- +13% return since mid-October
- Same-store-sale increase of 7.4% in October and 6.2% in November
- **2Q** revenue increase by 9%
- 2Q net income gains of 13%
- long-term growth attributable to international business
  - October, COST announced planned entry of Chinese retail market
- Steady growth despite soft U.S. Economy





#### Sherwin Williams (SHW)



- **Sector:** Materials
- **Return**: +13.29%
- Record \$3.35/shareQ3 earnings
- 10.6% year-overyear rise in net sales
- Steady growth independent of house sales
  - Dependence on professional clientele





#### Wal-Mart (WMT)



- Sector: Consumer Staples
- **Return**: +11.97%
- Topped earnings estimates in Q3
- Overall U.S. samestore sales rose0.5% in Q3
  - Ended 6 quarter streak of flat/declining same store sales
- Increased dividend41 years in a row



#### Top 5 Losers

- Haliburton (-20.00%)
- Chevron (-20.00%)
- Google (-11.46%)
- Schlumberger (-10.95%)
- Gilead Sciences (-7.75%)



#### Halliburton (HAL)



- **Sector**: Energy
- **Returns**: -20%
- Low oil prices hit the stock hard
- Low prices slowed fracturing in North America, their biggest market
- Beat Earnings in Q3



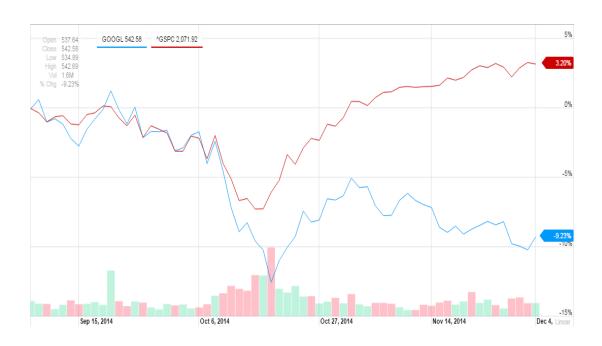
#### Chevron (CVX)



- **Sector**: Energy
- **Returns**: -20%
- Low oil prices hit the stock hard
- Beat Q3 EarningsEstimates
- The company's stake in politically turmoil left investors scared



#### Google (GOOGL)



- Sector: Information Technology
- **Return:** -11.46%
- Missed Analysts estimates for 3Q earnings
- Losing market share in mobile search and desktop search to Bing and Yahoo, effecting revenues greatly
- CPC (Cost Per Click)
   growth on
   advertisements has
   stalled, down 11% year
   over year



#### Schlumberger (SLB)



• **Sector:** Energy

• **Return:** -10.95%

- OPEC's decision to not cut oil production sent oil prices to its lowest levels since 2010
  - Low oil prices sent the stock plummeting upon the announcement



#### Gilead Sciences Inc. (GILD)



- Sector: Health Care
- **Return:** -7.75%
- Missed Analysts estimates for 3Q earnings
- Sales of Sovaldi, the hepatitis C drug, fell short of expectations
- Recently received approval for Harvoni hepatitis drug
- New prescriptions for hepatitis c drugs are slowing, according to Gilead, leading investors to question the firm's prospects





Fall 2014

#### STUDENT BIOGRAPHIES





**Bridget Cahill** 

Summer Intern
Synergy Investments

Bridget Cahill is an undergraduate student pursuing a Bachelors of Business Administration with a concentration in Finance and a minor in Information Systems. In addition to her undergraduate studies, she has also interned for Synergy Investments, a commercial real estate investment firm in Boston, MA. Bridget is also a member of the Loyola chapter of the Financial Management Association. Outside of the classroom, Bridget volunteers at Arlington heights Middle school tutoring sixth and seventh graders.



**Tommy Rakowicz** 

Summer Intern
AR Industries LLC

**Tommy Rakowicz** is an undergraduate student pursuing a Bachelors of Business Administration with a concentration in Finance from Loyola University Maryland. In addition to his undergraduate studies, he is also a member of the Loyola chapter of the Financial Management Association. Outside of the classroom he is a volunteer for the York Road Initiative.





**Dylan Kyriakakis** 

B.B.A. '14



**Connor Nelson** 

B.B.A. '14

Dylan Kyriakakis is an undergraduate student pursuing a Bachelors of Business Administration with a concentration in Finance from Loyola University Maryland. In addition to his undergraduate studies, he has interned at both Northmarq Capital and Cape Investment Management. After graduation Dylan will work at PricewaterhouseCoopers in their Financial Instruments, Structured Products, and Real Estate group in New York City.

Connor Nelson is an undergraduate student pursuing a Bachelors of Business Administration with a concentration in Finance. In addition to his undergraduate studies, he has had internships in the pharmaceutical industry with Warner Chilcott, and Sanofi-Aventis. He is actively pursuing entry level Positions in the pharmaceutical industry upon graduation. Connor also shares an interest in wealth management where he recently accepted an intern position at Capitol Securities Management Inc..





Joseph Van Calcar

Summer Intern
UBS Financial Services

Joseph Van Calcar is an undergraduate student seeking a Bachelor's Degree in Business Administration with a concentration in Finance and minor in Information Systems. In addition to his undergraduate studies, he has spent the past three summers working as a summer intern for UBS Financial Services in their Wealth Management department. Joseph plans to seek a career in financial services in New York City.



John Caruso

Summer Analyst Wells Fargo Securities John Caruso is an undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance. To complement his concentration, John took an internship with Wells Fargo Securities in New York within the Public Finance branch of the investment bank. After graduation in May 2015, John will rejoin Wells Fargo Securities as a full time analyst within the Higher Education & Nonprofit group of Public Finance in New York.





**Pete Zupan** 

B.B.A. '14

Peter Zupan is pursuing a Bachelor's degree in Business Administration with a concentration in Finance from Loyola University Maryland, where he is a member of Beta Gamma Sigma and Alpha Sigma Nu. Originally from Litchfield, Ohio, Pete is also a member of the women's basketball practice squad



**Cole Swain** 

B.B.A. '14

**Cole Swain** is a prospective graduate pursuing a Bachelors of Business Administration with a concentration in Finance and Information systems. Cole is originally from Medfield, MA. Upon graduation Cole Intends to work in the field of finance, pursuing a career in securities analysis or asset management.





Reinaldo Blanco

Controller Analyst Goldman Sachs

Reinaldo Blanco is an undergraduate student pursuing a Bachelors in Business Administrationfrom Loyola University Maryland with a concentration in Finance. He is a member of the Sellinger Scholars program, Beta Gamma Sigma, and is Vice President of the FMA. From Union, New Jersey, he will be a Controller Analyst with Goldman Sachs upon graduation.



**Bryan Sullivan** 

B.B.A. '14

Bryan Sullivan is a Senior at Loyola university
Maryland working towards his Bachelor of Business
Administration with a concentration in Finance and a
minor in Mathematics. He is a member of the Sellinger
Scholars program and Beta Gamma Sigma Honor
Society. Originally from Toms River, New Jersey,
Bryan

hopes to work as an analyst in Baltimore.





**Erica Lattanzio** 

Planner Assistant
Maller Wealth Advisors

**Erica Lattanzio** is an undergraduate student pursuing a Bachelor of Business Administration in Finance from Loyola University Maryland.

In addition to her current undergraduate studies, she is the President of the Financial Management Association, President of Club Ultimate Frisbee, Secretary of Beta Gamma Sigma, a Resident Assistant in Lange Court and a member of Alpha Sigma Nu



Sabrina Friend

Junior Analyst
Optima Fund Management

**Sabrina Friend** is an undergraduate student pursuing a Bachelor of Business Administration in Finance with an Economics minor from Loyola University Maryland. In addition to her current undergraduate studies, she is a member of Relay for Life and Action for Autism.





**Amanda Adsit** 

B.B.A. '14

Amanda Adsit is an undergraduate student pursuing a Bachelor of Business Administration with a double concentration in Finance and Marketing from the Joseph A. Sellinger School of Business and Management at Loyola University Maryland. She is the Vice-President of Finance for Pi Sigma and a current intern at OneMain Financial.



**Barrett Adams** 

B.B.A. '14

Barrett Adams is an undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance from the Joseph A. Sellinger School of Business and Management at Loyola University Maryland. He recently worked as an energy intern with Noble Americas in Stamford, CT, and is a member of the Financial Management Association.





Kathleen Callan

B.B.A. '14

Kathleen Callan is an undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance and a minor in Information Systems from the Joseph A. Sellinger School of Business and Management at Loyola University Maryland. She is the President of Club Tennis and has previously interned at Merrill Lynch Wealth Management.



**Perre Peraj** 

B.B.A. '14

Perre Peraj is an undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance from the Joseph A. Sellinger School of Business and Management at Loyola University Maryland. He is President of Hounds on Wall Street and is currently interning at WMS Partners and Rosenblatt Securities.





Filip Zigic

Summer Analyst at Morgan Stanley

Filip Zigic is a undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance from Loyola University Maryland. In addition to his studies, he is a member of Division I crew team at Loyola and a Sellinger Scholar. Filip was a Credit Analyst intern at Stanley Black & Decker and a Summer Analyst at Morgan Stanley. After graduation, will be joining Morgan Stanley as an Operations Analyst.



Matthew J. Maloney

Wealth Advisory Intern Wilmington Trust

Matthew J. Maloney is an undergraduate student pursuing a BBA in Finance with a minor in Economics from Loyola University Maryland. This past summer he interned at Wilmington Trust as a Wealth Advisory Intern Matthew is currently a FMA member and a member of Beta Gamma Sigma. He has volunteered for Habitat for Humanities. He plans on graduating in May of 2015.





**Bryan Carney** 

Financial Analyst LaSalle Investment Management Bryan Carney is an undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance and a minor in Information Systems from Loyola University Maryland. In addition to his studies, he is a member of the division I crew team at Loyola. Bryan currently works part-time for LaSalle Investment Management where he applies his in depth knowledge of real estate investment and financial analysis.



William McNamara

Financial Analyst OneWire **William McNamara** is a undergraduate student pursuing a Bachelor of Business Administration with a concentration in Finance from Loyola University Maryland and expects to graduate as a 2<sup>nd</sup> Lieutenant in the United States Army . William interned at OneWire over the summer of 2014 as a financial intern.

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**Jack MacDonald** 

Summer Intern RBC Wealth Management Jack MacDonald is an undergraduate student at Loyola University Maryland and is expected to graduate in May 2015 with a Bachelor's degree in Business Administration with a concentration in Finance. He is a member of the FMA program at Loyola. Jack is from Short Hills, New Jersey and he will be pursuing a career in Management Consulting after graduation.



# **Professor Biography**



Dr. Frank P. D'Souza

Loyola University Maryland

Dr. Frank P. D'Souza earned a Ph. D. from Oklahoma State University, an MBA from St. Cloud State University, Minnesota and a Bachelor of Commerce from the University of Bombay. He has been published in several academic journals and holds professional memberships with the Finance Management Association, American Finance Association, Eastern Finance Association, Southwestern Finance Association and Beta Gamma Sigma.

#### **Representative Publications**

- D'Souza, F., Ellis, N., & Fairchild, L., (2010), "Illuminating the Need for Regulation in Dark Markets: Proposed Regulation of the OTC Derivatives Market", University of Pennsylvania Journal of Business Law, 12, 473-516
- Carter, D., D'Souza, F., Simkins, B., & Simpson, W.G., (2010), "The Gender and Ethnic Diversity of US Boards and Board Committees and Firm Financial Performance", Corporate Governance: An International Review, 18(5), 396-414
- Simpson, W. G., Carter, D., & D'Souza, F., (2010), "What Do We Know About Women on Boards", Journal of Applied Finance, 20(2), 27-39
- D'Souza, F., Fletcher, H., & Ionici, O., (2011), "Equity Market Timing and Subsequent Delisting Likelihood", International Journal of Business and Finance Research, 5(2) 85-94
- "Chapter 18: Cost of Capital: An Introduction", Ionici, O. & Small, K. & D'Souza, F., in "Capital Budgeting Valuation: Financial Analysis for Today's Investment Projects". Edited by H. Kent Baker and P. English (2011).



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#### **APPENDIX**





Thank you.