MSF FALL 2020 ENROLLMENT

August 5, 2020

Enrollment Period

- Your registration for classes will open on Monday, August 10.

- Beginning on the first day of class – Monday August 24 – students will have 10 days of class to add a new class, until Monday September 7.

- You will have until Week 12 (Nov 13, 2020) to drop (for a full semester class).

- All FIN courses have seats held for MSF students. If you plan to register for the online version only please select the ONL section.

How many classes do you need to register for?

- Program requirements
  - Required courses (8 - 16 credit hours)
  - Finance Electives (20+ hours)
  - Other Electives (0+ hours)
  - Min cumulative GPA: 3.0
  - Min number of credit hours: 40 (you may exceed this amount)
- **This means 12-16 hours of classes in the Fall.**
- You can register for up to 20. Generally, 20 hours is very, very challenging and not advised except for those few students who are pre-approved.
- Please do not sign up for classes "just in case" as this uses up valuable space!

Core Courses FALL 2020

These preparatory classes may be waived without permission:

- FIN 580 CF Corporate Finance (4 hours)
- FIN 504 Financial Statements (2 hours)
- FIN 502 Quantitative Methods (2 hours)

These classes are required:

- FIN 511 Investments (4 hours) - may also be taken in the Spring.
- FIN 501 Economics of Stock Market Fundamentals (4 hours)

ECONOMICS OF STOCK MARKET FUNDAMENTALS

"Think you know enough financial economics? If you have taken at least intermediate microeconomics *and* intermediate macroeconomics and received an A- or better in each one, you may try to test out of FIN 501. Interested students must first provide Professor Deryugina with documentation showing they have taken the necessary courses. They will then take the equivalent of a past FIN 501 final exam and will have to score at least 80% to test out of the course. A syllabus with topics covered in the course is attached for students' reference. Students are encouraged to contact Professor Deryugina to discuss if testing out is appropriate for them."

CORE courses – FALL

	Core Classes							
580	Corporate Finance	66670	4		Smith	MW	12:30pm-01:50pm	
502	Quantitative Finance	73104	2	A	Yang	MW	11:00am-12:20pm	
502	Quantitative Finance	73105	2	A	Yang	MW	12:30pm-01:50pm	
504	Financial Statements	58811	2	A	Zhang	TR	02:00pm-03:20pm	
	Required Classes							
501	Econ Stock Market Fundamentals	56198	4		Deryugina	MW	09:30am-10:50am	
511	Investments	60177	4		Pollet	TR	11:00am-12:20pm	*In person*
511	Investments	60178	4		Pollet	TR	12:30pm-01:50pm	*In person*
511	Investments	60176	4		Pollet	TR	03:30pm-04:50pm	*ONLINE*

Elective courses – FALL 20

	Electives						
503	Quantitative Finance II	72860	2	B	Yang	MW	11:00am-12:20pm
503	Quantitative Finance II	72859	2	B	Yang	MW	12:30pm-01:50pm
512	Financial Derivatives	32466	4		Widdicks	MW	12:30pm-01:50pm
512	Financial Derivatives	41693	4		Widdicks	MW	02:00pm-03:20pm
518	Financial Modeling	66735	4		Brobst	TR	12:30pm-01:50pm
521	Advanced Corporate Finance	60181	4		Huang	MW	03:30pm-04:50pm
535	Wealth Management	72851	2	A	Brown	TR	03:30pm-04:50pm
535	Wealth Management	72852	2	B	Brown	TR	03:30pm-04:50pm
535	Personal Wealth Management	72912	4		Raskie	TR	09:30am-10:50am
541	Real Estate Fundamentals	29855	4		Sianis	MW	11:00am-12:20pm
543	Legal Issues in Real Estate	72858	4		Perkins	TR	02:00pm-03:20pm
544	Urban Real Estate Valuation	67125	4		Sianis	MW	12:30pm-01:50pm
547	Real Estate Development	72853	4		Cannaday	TR	03:30pm-04:50pm
580	Intro to Python for Finance	60285	2	AB	Gao	F	09:00am-10:30am
580	Real Estate Investment Cases	70456	2	B	Briggs	W	03:30pm-06:20pm

Elective courses – FALL 20

510	Big Data Analytics in Finance	72873	4		Reif		TBC
514	Financial Engineering II	66394	4		Pearson	MW	09:30am-10:50am
516	Term Structure Models	72876	2	A	Widdicks	MW	11:00am-12:20pm
517	Advanced Term Structure Models	72877	2	B	Widdicks	MW	11:00am-12:20pm
522	Cases in Financial Strategy	70877	4		Zeume	MW	08:00am-09:20am
522	Cases in Financial Strategy	68319	4		Zeume	MW	09:30am-10:50am
527	Mergers and Acquisitions	68226	4		Peters	TR	02:00pm-03:20pm
528	Cases in Financial Derivatives	73209	4		Peterson	MW	11:00am-12:20pm
552	Applied Financial Econometrics	72857	4		Kiku	MW	12:30pm-01:50pm
553	Machine Learning in Finance	72854	4		Duarte	TR	11:00am-12:20pm
563	Investment Banking	63320			Metzger 3	TR	02:00pm-03:20pm
564	Applied Financial Analysis	73395	4		Maple	TR	09:30am-10:50am
566	Algorithmic Market Microstructure	67130	4		Lariviere	T	05:00pm-07:50pm
579	Applied Portfolio Management	60753	4		Excell	TR	09:30am-10:50am
580	Practical Asset Allocation	61970	4		Gambera	R	06:00pm-08:50pm
580	Option Trading & Market-Making	65522	4		Natenberg	R	06:00pm-08:50pm
582	Project Management	73444	2	A	Noonan 5	F	02:30pm-03:50pm
583	Practicum	73450	4		Maple		
591	Theory of Finance	30231	4		Pennacchi	MW	02:00pm-03:20pm
592	Empirical Analysis in Finance	58360	4		Kiku	MW	11:00am-12:50pm
594	Seminar in Corporate Finance	39676	4		Almeida	T	11:00am-01:50pm

Additional Electives Fall 2020

- ACCY 501: Accounting Analysis I (one section reserved for MSF, ACCY501 MSF) Monday 3:30 – 4:50. Required for Accounting concentration.

- ACCY 517: Financial Statement Analysis (requires approval). MSF section in the Spring.

- Possibly courses in Economics, Math, Stats, Business Administration and others based on your specialization and/or interest.

CONCENTRATIONS

- According to the graduate college a concentration is "an elaboration or an extension of a graduate major: either content specialization within a particular discipline (for example, a taxation concentration in accountancy, or an interdisciplinary program (for example, an interdisciplinary concentration in cultural studies and interpretive research). A concentration is a coherent set of courses some or all of which count toward the major."

- Historically very few MS Finance students have pursued concentrations but due to changes in the curriculum now it is possible to pursue the following three concentrations:

CONCENTRATIONS

- **Accounting:**
  - You are required to complete the following three classes
    - 1. ACCY 501 Accounting Analysis I (Fall)
    - 2. ACCY 502 Accounting Analysis II (Fall)
    - 3. ACCY 503 Managerial Accounting (Spring) *OR* ACCY 517 Financial Statement Analysis (Spring)
- **Business and Public Policy**
  - To achieve the concentration students must complete 12 hours including classes from the following list (other classes can be determined by meeting with the Martin Widdicks, the MSF Director):
    - FIN 570   Business and Public Policy
    - FIN 571   Retirement Policy
    - FIN 572   Health Care Policy

CONCENTRATIONS

- Data Analytics in Finance:
  - You are required to complete the following class

    FIN 510 Big Data Analytics
  - And any two of the flowing classes
    - Fin 552 Applied Financial Econometrics
    - Fin 553 Machine Learning in Finance
    - Fin 555 Financial Innovation
    - Fin 567 Financial Risk Management
    - Fin 580 Quantamental Investments

Specializations

- **Corporate Finance**
- **Asset Management**
- **Quantitative Finance**
- **Data Analytics and Fintech**
- **Real Estate**
- **Finance Research (PhD track)**

How do I get a specialization?

Specializations will be awarded to students who:

- **Complete both the required class and the capstone class in the specialization.**
- **Complete at least <u>16 credit hours</u> in the chosen area. This *includes* the required and capstone classes, so most students will need to take an additional 8 credit hours of electives from the specialization.**
- **Achieve a B or better in all courses and an A in at least one of them.**

- Students satisfying these requirements receive an official letter from their Director as evidence of their specialization.
- **Note: Students may specialize in only one track.**

STUDY PLANS

- For each concentration there are two possible study plans:
  - "I" for students who need to take one or more of the core classes
  - "II" for students who do not need to take any of the core classes.

CORPORATE FINANCE

Corporate Finance	
Prerequisite Elective: FIN 521 Advanced Corporate Finance (Spring/Fall)	**Other Electives:** FIN 510 Big Data Analytics in Finance FIN 518 Financial Modeling FIN 526 Enterprise Risk Management FIN 527 Mergers & Acquisitions (2 or 4) FIN 551 International Finance FIN 561 Financial Intermediation FIN 563 Investment Banking FIN 564 Applied Financial Analysis FIN 580 Growth Corp Capital Funding FIN 580 Entrepreneurship thru' Acquisition ACCY 502 Accounting Analysis II ACCY 517 Financial Statement Analysis
FIN 522 Cases in Financial Strategy (Fall)	

Corporate Finance I

- Core Classes:

    - *FIN 580 CF Corporate Finance (4 hours)*
    - *FIN 504 Financial Statements (2 hours)*
    - *FIN 502 Quantitative Methods (2 hours)*

- Required Classes:

    - FIN 501 Economics of Stock Market Fundamentals (4 hours)
    - FIN 511 Investments (may be delayed until Spring)

- **Recommended Electives:**
- ACCY 501: Accounting Analysis I **OR**
- FIN 521: Advanced Corporate Finance
- **Others:**
- ACCY 517: Financial Statement Analysis
- FIN 518 Financial Modeling
- FIN 503: Quantitative Methods 2 (2hrs)
- FIN580: Intro to Data Analytics and Python (2hrs)

Corporate Finance II

- Required Classes:

    - FIN 501 Economics of Stock Market Fundamentals (4 hours)
    - FIN 511 Investments (4 hours)

Recommended Electives

    - FIN521 Advanced Corporate Finance (4 hrs) OR
    - ACCY 501: Accounting Analysis I

Also
- FIN 512 Financial Derivatives
- FIN 518 Financial Modeling
- FIN 503: Quantitative Methods 2 (2 hrs)
- ACCY 517: Financial Statement Analysis (if space)
- FIN580: Intro to Data Analytics and Python (2hrs)

ASSET MANAGEMENT

Asset Management	
Prerequisite Elective: FIN 511 Investments (Fall/Spring)	**Other Electives:** FIN 510 Big Data Analytics in Finance FIN 512 Financial Derivatives FIN 515 Fixed Income Portfolios FIN 518 Financial Modeling FIN 528 Cases in Financial Derivatives FIN 546 Real Estate Financial Markets
Capstone Elective: FIN 579 Applied Portfolio Management (Spring/Fall)	FIN 551 International Finance FIN 552 Applied Financial Econometrics FIN 563 Investment Banking FIN 564 Applied Financial Analysis FIN 535 Wealth Management (2) FIN 535 Personal Wealth Management FIN 580 Practical Asset Allocation FIN 580 Quantamental Investment

Asset Management I

- Core Classes:

    - *FIN 580 CF Corporate Finance (4 hours)*
    - *FIN 504 FS Financial Statements (2 hours)*
    - *FIN 502 Quantitative Methods (2 hours)*

- Required Classes:

    - FIN 501 Economics of Stock Market Fundamentals (4 hrs)
    - FIN 511 Investments (4 hrs)

- Recommended Electives
    - FIN541: Real Estate Fundamentals
    - FIN535: Wealth Management (2 hours)
    - FIN535: Personal Wealth Management (4 hours)
    - FIN503: Quantitative Finance 2 (2 hours)
    - FIN580: Intro to Data Science and Python for Finance (2hrs)

Asset Management II

- Required Classes:

    - FIN 501 Economics of Stock Market Fundamentals (4 hours)
    - FIN 511 Investments (4 hours)

- Recommended Electives
  - FIN512: Financial Derivatives
  - FIN521: Advanced Corporate Finance
  - FIN541: Real Estate Fundamentals
  - FIN535: Wealth Management (2 hours)
  - FIN535: Personal Wealth Management (4 hours)
  - FIN503: Quantitative Finance 2 (2 hours)
  - FIN580: Intro to Data Science and Python for Finance (2hrs)

QUANTITATIVE FINANCE

Quantitative Finance	
Prerequisite Elective: FIN 512 Financial Derivatives (Spring/Fall) **Capstone Elective:** FIN 514 Financial Engineering II (Spring/Fall)	**Other Electives:** FIN 503 Quantitative Methods 2 (2) FIN 513 Financial Engineering I FIN 515 Fixed Income Portfolios FIN 516 Term Structure Models (2) FIN 517 Adv. Term Structure Models (2) FIN 528 Cases in Financial Derivatives FIN 552 Applied Financial Econometrics FIN 553 Machine Learning in Finance FIN 567 Financial Risk Management FIN 580 Option Trading & Market Making FIN 580 Practical Asset Allocation FIN 580 Quantamental Investment FIN 580 Financial Data Mgt. & Analysis FIN 580 Adv. Data Sci & Python for Fin (2) FIN 592 Empirical Analysis in Finance

Quantitative Finance I

- Core Classes:

    - *FIN 580 CF Corporate Finance*
    - *FIN 504 Financial Statements (2 hours)*

- Required Classes:

    - FIN 501 Economics of Stock Market Fundamentals
    - FIN 511 Investments

    Strongly recommended:
    - FIN 512 Financial Derivatives
    - FIN 503 Quantitative Methods 2 (2 hrs)
    - FIN 580 Intro to Data Science and Python for Finance (2 hrs)

- Recommended Electives:
    - FIN 510: Big Data Analytics (with consent of instructor)
    - Other econometrics classes etc. may be of interest e.g. ECON 471, ECON 532 (Both intro) or ECON 536 (Advanced)

Quantitative Finance II

- Required classes:

    - FIN 501 Economics of Stock Market Fundamentals
    - FIN 511 Investments
    - FIN 512 Financial Derivatives
    - FIN 503 Quantitative Methods 2 (2 hrs)
    - FIN 580 Data Science and Python for Finance (2 hrs)

- Recommended Electives:
    - Other econometrics classes etc. may be of interest e.g. ECON 471, ECON 532 (Both intro) or ECON 536 (Advanced)

DATA ANALYTICS AND FINTECH

Data Analytics and Fintech

| **Prerequisite Elective:**

FIN 503 Quantitative Finance II (2) (Fall/Spring)

Capstone Elective:

FIN 510 Big Data Analytics in Finance (Fall/Spring) | **Other Electives:**
FIN 552 Applied Financial Econometrics
FIN 553 Machine Learning in Finance
FIN 555 Financial Innovation
FIN 567 Financial Risk Management
FIN 580 Quantamental Investment
FIN 580 Financial Data Mgt. & Analysis
FIN 580 Adv. Data Sci & Python for Fin (2) |

Data Analytics and Fintech I

- Core Classes:

    - *FIN 580 CF Corporate Finance*
    - *FIN 504 Financial Statements (2 hours)*
    - *FIN 502 Quantitative Methods (2 hours)*

- Required Classes:

    - FIN 501 Economics of Stock Market Fundamentals
    - FIN 511 Investments (may be delayed until Spring)

- Recommended Electives:
    - FIN 580 Data Science and Python for Finance (2 hrs)
    - FIN 503: Quantitative Methods 2 (2 hours)
    - Other econometrics classes etc. may be of interest e.g. ECON 471, ECON 532 (Both intro) or ECON 536 (Advanced)

Data Analytics and Fintech II

- Required classes:

  - FIN 501 Economics of Stock Market Fundamentals (4 hours)
  - FIN 511 Investments (4 hours)
  - FIN 503 Quantitative Methods 2 (2 hrs)
  - FIN 580 Data Science and Python for Finance (2 hrs)

- Recommended Electives:
  - FIN 512 Financial Derivatives
  - FIN 510 Big Data Analytics (with permission of instructor)
  - Other econometrics classes etc. may be of interest e.g. ECON 471, ECON 532 (Both intro) or ECON 536 (Advanced)

REAL ESTATE

Prerequisite Elective: FIN 541 Real Estate Fundamentals (Fall)	**Other Electives:** FIN 543 Legal Issues in Real Estate FIN 544 Urban Real Estate Valuation
Capstone Elective: FIN 547 Real Estate Development (Fall)	FIN 546 Real Estate Financial Markets FIN 580 Real Estate Investment Cases (2)

REAL ESTATE

- Required classes:
    - FIN 501 Economics of Stock Market Fundamentals (4 hours)
    - FIN 511 Investments (4 hours)
- Recommended Electives:
    - FIN 541: Real Estate Fundamentals
    - FIN 543: Legal Issues in Real Estate

    - Other electives: FIN 544 (Urban Real Estate Valuation) FIN 547 (Real Estate Development)

Finance research

- Required class:
    - FIN 501 Economics of Stock Market Fundamentals (4 hours)
    - FIN 511 Investments (4 hours)

- Recommended classes:
    - FIN 503 Quantitative Methods 2 (2 hrs)
    - FIN 580 Data Science and Python for Finance (2 hrs)
    - FIN591: Theory of Finance
    - FIN594: Seminar in Corporate Finance
    - FIN580: General Microeconomic Theory

ENROLLMENT ISSUES AND PROCEDURES

- If you cannot enroll in ANY section of an MSF course, send an email to Jonathan Hall (finregistration@business.illinois.edu)
- Check online for schedule updates: https://my.illinois.edu