



COURSE MATCH

Your personal scheduling agent

Course Selection

In Fall 2017, the Wharton MBA program is offering

90 different courses,

in 300 different sections,

to 1,700 students.

How can one determine schedules in a way that is fair to all students?

Possible Solutions



Course Match

Auction

Bidding Point System

First come first serve

School decides

Fairness

Table 6. Gini coefficients of student allocations

Mechanism	Semester	First-year students	Second-year students	All students
Auction	Fall 2012	0.33	0.36	0.54
Course match	Fall 2013	0.13	0.22	0.32
Auction	Spring 2013	0.25	0.39	0.34
Course match	Spring 2014	0.10	0.12	0.15

Eric Budish, Gérard P. Cachon, Judd B. Kessler, Abraham Othman (2017) Course Match: A Large-Scale Implementation of Approximate Competitive Equilibrium from Equal Incomes for Combinatorial Allocation. *Operations Research* 65(2):314-336.

Course Match in three terms...

Utilities

Your relative desire for specific sections

Clearing Prices

'Prices' assigned to sections based on supply and demand

Budget

A predetermined number of tokens used to purchase sections

...and three steps

- ① Students report their **section utilities**
- ② Course Match establishes **clearing prices** for each course and buys **schedules** for each student
- ③ A **drop/add** period allows final adjustments to schedules

**MAKE IT WORK
FOR YOU**

Fixed and Flex Core

Fixed Core

MGEC 611 & 612

MKTG 611

STAT 613/621

Fixed Core (Course Match)

WHCP 611

WHCP 612 or 615

Flex Core

MKTG 612 or 613

OIDD 611, 612, 613, 614 or 615

ACCT 611, 613 or 612

FNCE 611, 614 or 612

FNCE 613 or 615

MGMT 611 or 612

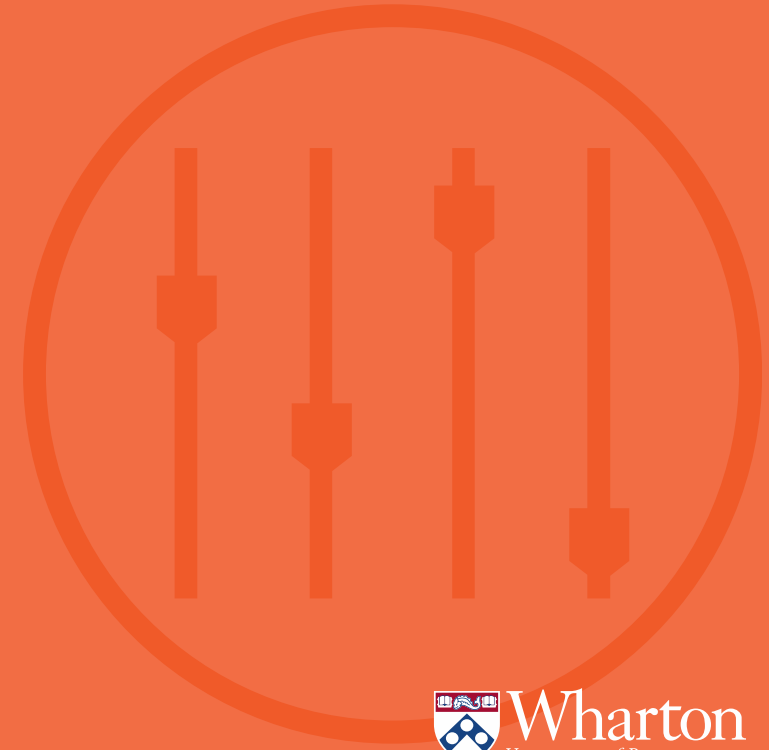
LGST 611 or 612

Use Course Match to Register

Course	Detail	Credit	Qtr	Utility
ACCT611001	FINANCIAL ACCOUNTING PACIOLI L MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
ACCT611002	FINANCIAL ACCOUNTING PACIOLI L MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
ACCT613001	FIN AND MNGL ACCOUNTING PETERSON N MW 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	100
ACCT613002	FIN AND MNGL ACCOUNTING PETERSON N TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	80
MGMT611001	MANAGING EST ENTERPRISE NOOYI I MW 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	80
MGMT611002	MANAGING EST ENTERPRISE NOOYI I MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100
MGMT612001	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
MGMT612002	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
FNCE613001	MACROECONOMICS & GLOBAL ECON SMITH A TR 10:30 AM - 12:00 PM (8/27/14 - 12/9/14)	1.00	S	30
FNCE613002	MACROECONOMICS & GLOBAL ECON SMITH A TR 12:00 PM - 1:30 PM (8/27/14 - 12/9/14)	1.00	S	10
WHCP611001	MANAGEMENT COMMUNICATIONS CLINTON W T 1:30 PM - 3:00 PM (8/27/14 - 10/8/14)	0.25	1	100
WHCP611002	MANAGEMENT COMMUNICATIONS CLINTON W W 10:30 AM - 12:00 PM (10/20/14 - 12/9/14)	0.25	2	1

STEP 1:

Report your utilities



1. Utilities are weighted by a course's credit unit value.

STEP 1:
Report your utilities

For a 1 CU course...

$$(100 \times 1) = 100$$

For a 0.5 CU course...

$$(100 \times 0.5) = 50$$

Course	Detail	Credit	Qtr	Utility
ACCT611001	PACIOLI L MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
ACCT611002	FINANCIAL ACCOUNTING PACIOLI L MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
ACCT613001	FIN AND MNGL ACCOUNTING PETERSON N MW 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	100
ACCT613002	FIN AND MNGL ACCOUNTING PETERSON N TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	80
MGMT611001	MANAGING EST ENTERPRISE NOOYI J MW 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	100
MGMT611002	MANAGING EST ENTERPRISE NOOYI J MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100
MGMT612001	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 10:30AM - 12:00PM (8/27/14 - 12/9/14)	1.00	S	50
MGMT612002	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 12:00PM - 1:30PM (8/27/14 - 12/9/14)	1.00	S	40
FNCE613001	MACROECONOMICS & GLOBAL ECON SMITH A TR 10:30 AM - 12:00 PM (8/27/14 - 12/9/14)	1.00	S	30
FNCE613002	MACROECONOMICS & GLOBAL ECON SMITH A TR 12:00 PM - 1:30 PM (8/27/14 - 12/9/14)	1.00	S	10
WHCP611001	MANAGEMENT COMMUNICATIONS CLINTON W T 1:30 PM - 3:00 PM (8/27/14 - 10/8/14)	0.25	1	100
WHCP611002	MANAGEMENT COMMUNICATIONS CLINTON W W 10:30 AM - 12:00 PM (10/20/14 - 12/9/14)	0.25	2	1

1. Utilities are weighted by a course's credit unit value.

2. Each student's utilities are relative.

STEP 1:
Report your utilities

Student A

Student B

100

10

90

9

80

8

70

7

60

6

50

5

0

0

=

1. Utilities are weighted by a course's credit unit value.
2. Each student's utilities are relative.
3. Sections assigned "0" utility cannot be added to a schedule.

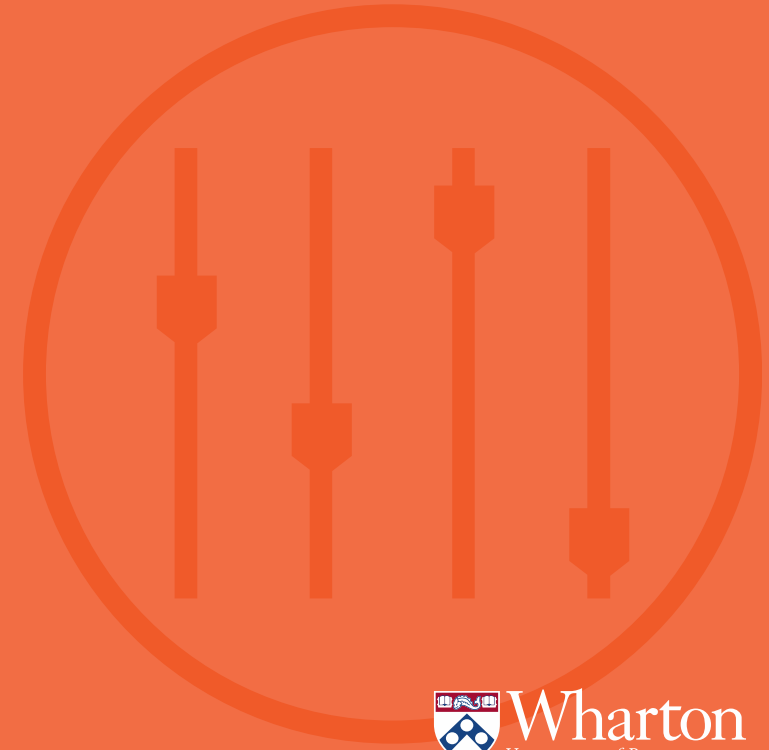
With the exception of WHCP sections in the first year.

STEP 1:
Report your utilities

Course	Detail	Credit	Qtr	Utility
ACCT611001	PACIOLELLI MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
ACCT611002	PACIOLELLI MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	50
ACCT613001	FINANCIAL ACCOUNTING PETRELLA TR 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	50
ACCT613002	FINANCIAL ACCOUNTING PETRELLA TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	50
MGMT611001	MANAGING EST ENTERPRISE NOOYI I MW 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	80
MGMT611002	MANAGING EST ENTERPRISE NOOYI I MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100
MGMT612001	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
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FNCE613001	MACROECONOMICS & GLOBAL ECON SMITH A TR 10:30 AM - 12:00 PM (8/27/14 - 12/9/14)	1.00	S	30
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Utilities should be assigned across multiple sections of the same course...



Utilities should be assigned across multiple sections of the same course...

Blocked Combinations

	Course	Course	Course
ACCT	ACCT611	ACCT612	ACCT613
FNCE (Corp Fin)	FNCE611	FNCE612	FNCE614
FNCE (Macro)	FNCE613	FNCE615	
LGST	LGST611	LGST612	
MGMT	MGMT611	MGMT612	
WHCP	WHCP612	WHCP615	

Course	Detail	Credit	Qtr	Utility
ACCT611001	FINANCIAL ACCOUNTING PACIOLI L MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
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Utilities should be assigned across multiple sections of the same course...

...and multiple sections offered at the same time.

Course	Detail	Credit	Qtr	Utility
ACCT611001	FINANCIAL ACCOUNTING PACIOLI L MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
ACCT611002	FINANCIAL ACCOUNTING PACIOLI L MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
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▼ My Settings

Budget: 2300.00

Fixed Core CU: 2.50

Maximum CU: 2.75

▶ My Utility Distribution

▶ My Adjustments

▶ My Top Schedules

▶ My Core Graduation Requirements

$$\begin{array}{r}
 2.50 \text{ credits fixed core} \\
 + 2.75 \text{ credits flex core/electives} \\
 \hline
 5.25 \text{ credits} \\
 + 0.50 \text{ MGMT610 (Pre-Term)} \\
 \hline
 5.75 \text{ credits (Fall 2017)}
 \end{array}$$

Course	Detail	Credit	Qtr	Utility
ACCT611001	FINANCIAL ACCOUNTING PACIOLI L MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
ACCT611002	FINANCIAL ACCOUNTING PACIOLI L MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
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▼ My Settings

Budget: 2300.00

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Maximum CU: 2.75

- ▶ My Utility Distribution
- ▶ My Adjustments
- ▶ My Top Schedules
- ▶ My Core Graduation Requirements

100

100

25

225

Course	Detail	Credit	Qtr	Utility
ACCT611001	FINANCIAL ACCOUNTING PACIOLI L MW 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
ACCT611002	FINANCIAL ACCOUNTING PACIOLI L MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
ACCT613001	FIN AND MNGL ACCOUNTING PETERSON N MW 9:00AM - 10:30PM (8/27/14 - 12/4/14)	1.00	S	100
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MGMT612001	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 9:00AM - 10:30AM (8/27/14 - 12/4/14)	1.00	S	50
MGMT612002	MANAGING EMERG ENTERPRISE ZUCKERBERG M TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40
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[My Settings](#)
[My Utility Distribution](#)
[My Adjustments](#)
My Top Schedules

[Go](#) [?](#) [What If](#)

Schedule Value: 225 [?](#)

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
8AM							
9AM		ACCT 613001		ACCT 613001			
10AM							
11AM		MGMT 611002		MGMT 611002			
12PM							
1PM							
2PM			WHCP 611001				
3PM							
4PM							
5PM							
6PM							
7PM							
8PM							

Full Q1 Q2 Modular

[My Core Graduation Requirements](#)

**LET'S TAKE A
LOOK AT THE
INTERFACE...**

Fall Schedule: Non Traditional Student

Fall



- Warren has never studied business before and does not have a strong quant background
- Plans to recruit in Real Estate
- Changing careers from education
- Would prefer a lighter course load for Fall at 4.75CU

August	Quarter 1	Quarter 2
MGMT610 Foundations of Teamwork and Leadership	MKTG611 Marketing Management	LGST 612 Responsibility in Global Management
	MGEC611 Microeconomics for Managers	MGEC612 Microeconomics for Managers
	STAT613 Regression Analysis	
	MGMT 611 Managing the Established Enterprise	
	WHCP 611/620* Management Comm/ Writing Requirement (.25 cu)	

Fall Schedule: Consultant



- Sheryl wants to major in MGMT and maybe OIDD
- Plans to recruit in consulting so she would prefer to keep Q2 lighter
- Changing careers from ACCT
- Total CU: 5.25CU

Fall		
August	Quarter 1	Quarter 2
MGMT610 Foundations of Teamwork and Leadership	MKTG611 Marketing Management	OIDD 673 Global Supply Chain Management
	MGEC611 Microeconomics for Managers	MGEC612 Microeconomics for Managers
	STAT621 Accelerated Regression Analysis	
	MGMT 611 Managing the Established Enterprise	
	ACCT 612 Accelerated Financial Accounting	
	OIDD 615 Operations Strategy	WHCP 611/620* Management Comm/ Writing Requirement (.25 cu)

STEP 2:

Course clearing prices are established

Schedules are created

You will be assigned your best possible schedule given your relative preferences, budget, credit unit max and course clearing prices

STEP 2:

Course clearing prices are established

Budgets

First-year = 4,000 tokens

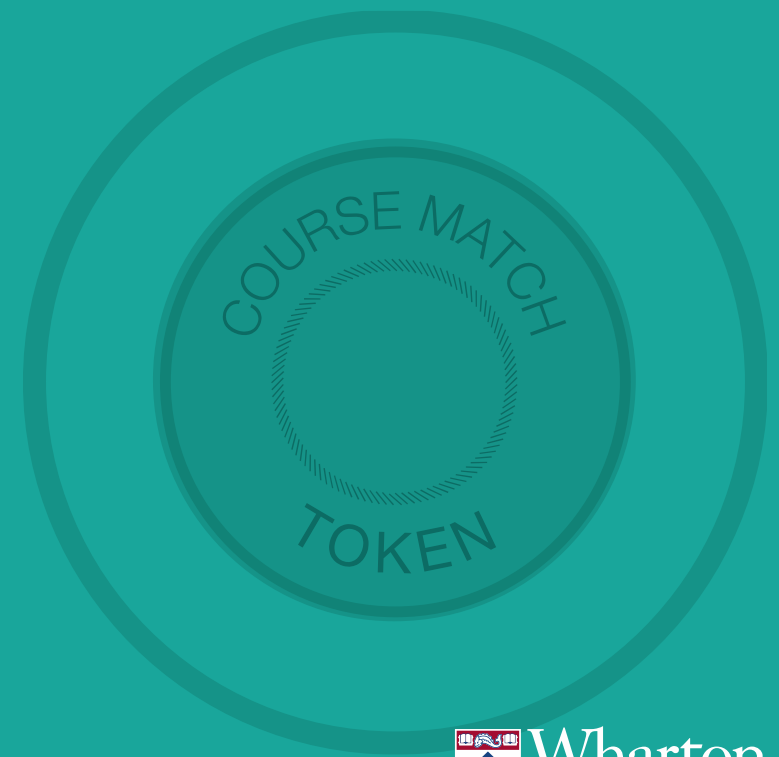
Fixed Core deduction =

Fixed CU	Deduction	Final Tokens
2.5	1700	2300
2.0	1300	2700
1.5	950	3050
1.0	600	3400
0.5	300	3700
0.0	0	4000

+ *tie breaker*

Second year = 5,000 tokens

Course	Detail	Credit	Qtr	Utility
ACCT742401	PROBLEMS IN FIN REPORTING HOLMES S MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100
ACCT742402	PROBLEMS IN FIN REPORTING HOLMES S MW 12:00PM - 1:30PM (8/27/14 - 12/4/14)	1.00	S	100
BEPP805401	RISK MANAGEMENT McCLANE J TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	90
BEPP805402	RISK MANAGEMENT McCLANE J TR 1:30PM - 3:00PM (8/27/14 - 12/4/14)	1.00	S	90
ACCT706001	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (8/27/14 - 10/16/14)	0.50	1	80
ACCT706002	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (10/20/14 - 12/4/14)	0.50	2	80
ODD690401	MANAGERIAL DECISION MAKING WELCH J TR 1:30PM - 03:00PM (8/27/14 - 12/4/14)	1.00	S	70
ODD690402	MANAGERIAL DECISION MAKING WELCH J TR 3:00PM - 4:30PM (8/27/14 - 12/4/14)	1.00	S	70
FNCE738001	CAPITAL MARKETS BUFFETT W TR 9:00 AM - 10:30 AM (8/27/14 - 12/9/14)	1.00	S	60
FNCE738002	CAPITAL MARKETS BUFFETT W TR 10:30 AM - 12:00 AM (8/27/14 - 12/9/14)	1.00	S	60
REAL721405	REAL ESTATE INVESTMENTS DOE J MW 3:00 PM - 4:30 PM (8/27/14 - 12/9/14)	1.00	S	30
REAL721406	REAL ESTATE INVESTMENTS DOE J TR 1:30 PM - 3:00 PM (8/27/14 - 12/9/14)	1.00	S	30



Course	Detail	Credit	Qtr	Utility	Weighted Utility	Clearing Price	Schedule
ACCT742401	PROBLEMS IN FIN REPORTING HOLMES S MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100	100		
ACCT742402	PROBLEMS IN FIN REPORTING HOLMES S MW 12:00PM - 1:30PM (8/27/14 - 12/4/14)	1.00	S	100	100		
BEPP805401	RISK MANAGEMENT McCLANE J TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	90	90		
BEPP805402	RISK MANAGEMENT McCLANE J TR 1:30PM - 3:00PM (8/27/14 - 12/4/14)	1.00	S	90	90		
ACCT706001	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (8/27/14 - 10/16/14)	0.50	1	80	40		
ACCT706002	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (10/20/14 - 12/4/14)	0.50	2	80	40		
ODD690401	MANAGERIAL DECISION MAKING WELCH J TR 1:30PM - 03:00PM (8/27/14 - 12/4/14)	1.00	S	70	70		
ODD690402	MANAGERIAL DECISION MAKING WELCH J TR 3:00PM - 4:30PM (8/27/14 - 12/4/14)	1.00	S	70	70		
FNCE738001	CAPITAL MARKETS BUFFETT W TR 9:00 AM - 10:30 AM (8/27/14 - 12/9/14)	1.00	S	60	60		
FNCE738002	CAPITAL MARKETS BUFFETT W TR 10:30 AM - 12:00 AM (8/27/14 - 12/9/14)	1.00	S	60	60		
REAL721405	REAL ESTATE INVESTMENTS DOE J MW 3:00 PM - 4:30 PM (8/27/14 - 12/9/14)	1.00	S	30	30		
REAL721406	REAL ESTATE INVESTMENTS DOE J TR 1:30 PM - 3:00 PM (8/27/14 - 12/9/14)	1.00	S	30	30		

**Top Schedule Value:
360**

Course	Detail	Credit	Qtr	Utility	Weighted Utility	Clearing Price	Schedule
ACCT742401	PROBLEMS IN FIN REPORTING HOLMES S MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100	100	1300.13	
ACCT742402	PROBLEMS IN FIN REPORTING HOLMES S MW 12:00PM - 1:30PM (8/27/14 - 12/4/14)	1.00	S	100	100	1842.51	X
BEPP805401	RISK MANAGEMENT McCLANE J TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	
BEPP805402	RISK MANAGEMENT McCLANE J TR 1:30PM - 3:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	X
ACCT706001	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (8/27/14 - 10/16/14)	0.50	1	80	40	0	X
ACCT706002	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (10/20/14 - 12/4/14)	0.50	2	80	40	0	
ODD690401	MANAGERIAL DECISION MAKING WELCH J TR 1:30PM - 03:00PM (8/27/14 - 12/4/14)	1.00	S	70	70	2204.86	
ODD690402	MANAGERIAL DECISION MAKING WELCH J TR 3:00PM - 4:30PM (8/27/14 - 12/4/14)	1.00	S	70	70	1713.09	X
FNCE738001	CAPITAL MARKETS BUFFETT W TR 9:00 AM - 10:30 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1213.01	X
FNCE738002	CAPITAL MARKETS BUFFETT W TR 10:30 AM - 12:00 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1576.9	
REAL721405	REAL ESTATE INVESTMENTS DOE J MW 3:00 PM - 4:30 PM (8/27/14 - 12/9/14)	1.00	S	30	30	1483.61	
REAL721406	REAL ESTATE INVESTMENTS DOE J TR 1:30 PM - 3:00 PM (8/27/14 - 12/9/14)	1.00	S	30	30	2318.4	

Course	Detail	Credit	Qtr	Utility	Weighted Utility	Clearing Price	Schedule
ACCT742401	PROBLEMS IN FIN REPORTING HOLMES S MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100	100	1300.13	
ACCT742402	PROBLEMS IN FIN REPORTING HOLMES S MW 12:00PM - 1:30PM (8/27/14 - 12/4/14)	1.00	S	100	100	1842.51	X
BEPP805401	RISK MANAGEMENT McCLANE J TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	
BEPP805402	RISK MANAGEMENT McCLANE J TR 1:30PM - 3:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	X
ACCT706001	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (8/27/14 - 10/16/14)	0.50	1	80	40	0	X
ACCT706002	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (10/20/14 - 12/4/14)	0.50	2	80	40	0	
OIDD690401	MANAGERIAL DECISION MAKING WELCH J TR 1:30PM - 03:00PM (8/27/14 - 12/4/14)	1.00	S	70	70	2204.86	
OIDD690402	MANAGERIAL DECISION MAKING WELCH J TR 3:00PM - 4:30PM (8/27/14 - 12/4/14)	1.00	S	70	70	1713.09	X
FNCE738001	CAPITAL MARKETS BUFFETT W TR 9:00 AM - 10:30 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1213.01	X
FNCE738002	CAPITAL MARKETS BUFFETT W TR 10:30 AM - 12:00 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1576.9	
REAL721405	REAL ESTATE INVESTMENTS DOE J MW 3:00 PM - 4:30 PM (8/27/14 - 12/9/14)	1.00	S	30	30	1483.61	
REAL721406	REAL ESTATE INVESTMENTS DOE J TR 1:30 PM - 3:00 PM (8/27/14 - 12/9/14)	1.00	S	30	30	2318.4	

Course	Detail	Credit	Qtr	Utility	Weighted Utility	Clearing Price	Schedule
ACCT742401	PROBLEMS IN FIN REPORTING HOLMES S MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100	100	1300.13	
ACCT742402	PROBLEMS IN FIN REPORTING HOLMES S MW 12:00PM - 1:30PM (8/27/14 - 12/4/14)	1.00	S	100	100	1842.51	X
BEPP805401	RISK MANAGEMENT McCLANE J TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	
BEPP805402	RISK MANAGEMENT McCLANE J TR 1:30PM - 3:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	X
ACCT706001	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	40	40	0	X
ACCT706002	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (10/20/14 - 12/4/14)	1.00	S	40	40	0	
ODD690401	MANAGERIAL DECISION MAKING WELCH J TR 1:30PM - 03:00PM (8/27/14 - 12/4/14)	1.00	S	70	70	2204.86	
ODD690402	MANAGERIAL DECISION MAKING WELCH J TR 3:00PM - 4:30PM (8/27/14 - 12/4/14)	1.00	S	70	70	1713.09	X
FNCE738001	CAPITAL MARKETS BUFFETT W TR 9:00 AM - 10:30 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1213.01	
FNCE738002	CAPITAL MARKETS BUFFETT W TR 10:30 AM - 12:00 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1576.9	?
REAL721405	REAL ESTATE INVESTMENTS DOE J MW 3:00 PM - 4:30 PM (8/27/14 - 12/9/14)	1.00	S	30	30	1483.61	
REAL721406	REAL ESTATE INVESTMENTS DOE J TR 1:30 PM - 3:00 PM (8/27/14 - 12/9/14)	1.00	S	30	30	2318.4	

Schedule Cost:
~~5132.5~~

Course	Detail	Credit	Qtr	Utility	Weighted Utility	Clearing Price	Schedule
ACCT742401	PROBLEMS IN FIN REPORTING HOLMES S MW 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	100	100	1300.13	
ACCT742402	PROBLEMS IN FIN REPORTING HOLMES S MW 12:00PM - 1:30PM (8/27/14 - 12/4/14)	1.00	S	100	100	1842.51	X
BEPP805401	RISK MANAGEMENT McCLANE J TR 10:30AM - 12:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	
BEPP805402	RISK MANAGEMENT McCLANE J TR 1:30PM - 3:00PM (8/27/14 - 12/4/14)	1.00	S	90	90	0	X
ACCT706001	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (8/27/14 - 10/16/14)	0.50	1	80	40	0	X
ACCT706002	COST MANAGEMENT MARTINEZ O MW 10:30AM - 12:00PM (10/20/14 - 12/4/14)	0.50	2	80	40	0	
ODD690401	MANAGERIAL DECISION MAKING WELCH J TR 1:30PM - 03:00PM (8/27/14 - 12/4/14)	1.00	S	70	70	2204.86	
ODD690402	MANAGERIAL DECISION MAKING WELCH J TR 3:00PM - 4:30PM (8/27/14 - 12/4/14)	1.00	S	70	70	1713.09	X
FNCE738001	CAPITAL MARKETS BUFFETT W TR 9:00 AM - 10:30 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1213.01	X
FNCE738002	CAPITAL MARKETS BUFFETT W TR 12:30 PM - 12:30 AM (8/27/14 - 12/9/14)	1.00	S	60	60	1576.9	
REAL721405	REAL ESTATE INVESTMENTS DOE J MW 3:00 PM - 4:30 PM (8/27/14 - 12/9/14)	1.00	S	30	30	1483.61	
REAL721406	REAL ESTATE INVESTMENTS DOE J TR 1:30 PM - 3:00 PM (8/27/14 - 12/9/14)	1.00	S	30	30	2318.4	

STRATEGIC ADVICE

STEP 3: Drop/Add

Sunday, August 13:

Course Match opens for first-year students

Monday, August 21:

Last day for students to make changes to their utilities

Course Match will close at 12pm (noon) ET

Friday, August 25:

Course schedules are released to students

Drop/Add “buffer period” begins

Monday, August 28:

Drop/Add “buffer period” ends at 12pm (noon) ET

Schedules released later that day

Drop/Add resumes on first-come/first-served basis per deadlines as listed in academic calendar

Tuesday, August 29:

Classes begin

Searching for Non-Wharton Courses



**Interested in Non-Wharton course offerings?
Use Penn InTouch to search!**

<https://pennintouch.apps.upenn.edu>

Searching for Non-Wharton Courses

The screenshot shows the PennInTouch course search interface. On the left is a dark blue navigation sidebar with the Penn logo and the text "PennInTouch". The sidebar menu includes: "Find student", "Registration & planning" (with a dropdown arrow), "Course search" (with a dropdown arrow), "My mock schedules", and "Worksheet tools". The main content area has a top navigation bar with links: Home | HELP | Registrar | Courses InTouch | Penn People | U@Penn | Penn Home | Contact us | Log out. Below this is the "Course search" section. A blue header reads "Find courses that match any or all of these criteria:". The search form includes: "Term" (Fall 2016), "Course ID / Subject" (text input), "Description includes" (text input), "Instructor(s)" (text input), "Course status" (checkboxes for Open, Closed, Cancelled), "Starts on day" (dropdown), "Starts at or after" (time dropdown), "Course level at or above" (dropdown), "Finishes at or before" (time dropdown), "Course level at or below" (dropdown), "Fulfills requirement" (dropdown), "Program" (dropdown), and "Activity" (dropdown). A "Find courses" button is at the bottom right. A "My course cart" sidebar on the right shows "Fall 2016" and a message: "Your course cart for this term is empty. Use the Course Search to find courses and add them to your cart. Then, you can view them on the Mock Schedule page."

<https://pennintouch.apps.upenn.edu>

Searching for Non-Wharton Courses

Course details	
Term offered	Fall 2016
Subject	CIT - Computer and Information Tech
Course	CIT-594-001 Add to cart
Section title	Data Struc & Softw Desgn
Course title	Data Structures and Software Design
Course description	This course will focus on data structures, software design, and advanced Java. The course starts off with an introduction to data structures and basics of the analysis of algorithms. Important data structures covered will include arrays, lists, stacks, queues, trees, hash maps, and graphs. The course will also focus on software design and advanced Java topics such as software architectures, design patterns, networking, multithreading, and graphics. We will use Java for the entire course.
Course syllabus	No syllabus has been posted for this course.
Type	Lecture
Instructors	Paul W Mcburney
Maximum enrollment	25
Status	Open
Credit	1 CU
Meeting dates	08/30/2016 - 12/12/2016
Meeting info	TR 03:00 PM- 04:30 PM;
Generally offered	One-term course offered either term
Prerequisites	CIT 591 or consent of the instructor

[Close](#)

<https://pennintouch.apps.upenn.edu>

Searching for Non-Wharton Courses

Once you have found a course that you are interested in, e-mail:

mbaprogram@wharton.upenn.edu

with your registration request.

<https://pennintouch.apps.upenn.edu>



Welcome to
COURSE MATCH

Simple, Optimal, Fair, Innovative