

Course Conflicts and Availability

ALEX CLAXTON

9/8/23

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Course Conflicts – Initial Work

Conflicts examined over 21-22 and 22-23 academic year

- Synchronous online courses were included, but Asynchronous courses were not

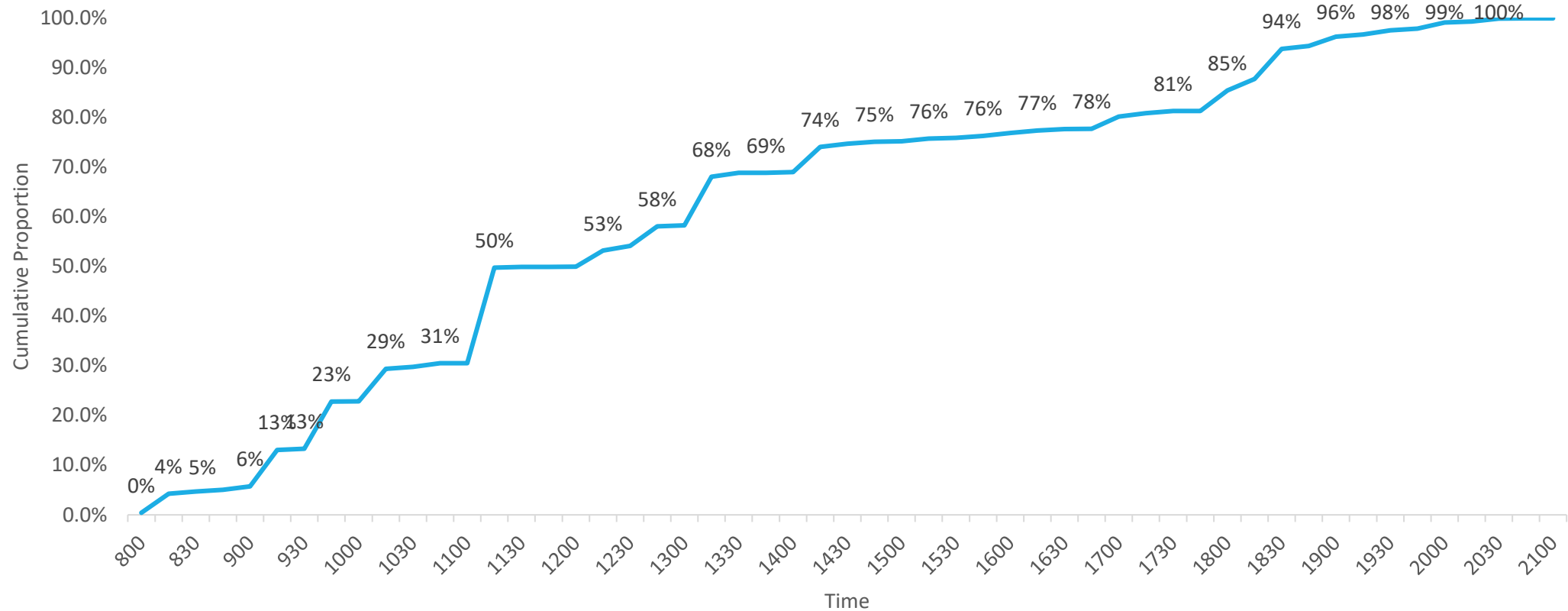
Conflicts are inevitable, given limitations of scheduling

34% of courses were scheduled on block

Of the top 20 most conflicting courses, 16 were scheduled off block

- Three of the four on block courses were Monday through Friday courses

Cumulative Proportion of Courses by Start Time



Impact of Off Block Scheduling

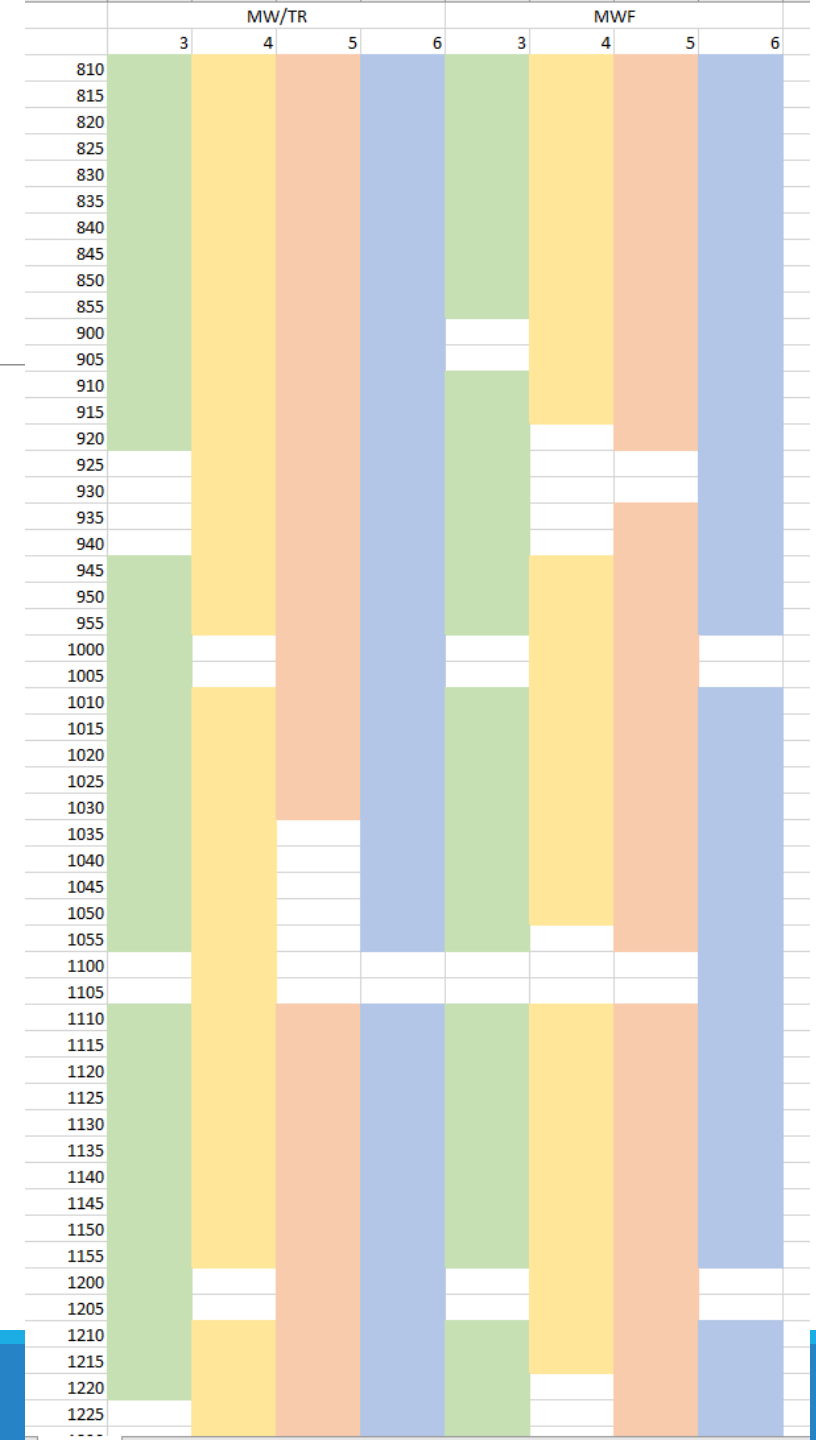
Students are not allowed to register for courses with overlapping time

Shifting a course 30 minutes can limit student options dramatically

- This impact is more dramatic for higher unit load courses and twice a week courses

This impact is felt more dramatically mid morning

- 50% of all courses have start times at or before 11:15



Other Initial Takeaways

Crossing MWF and TR leads to more conflicts

Late start, non-hybrid can also lead to issues

Mid-morning is doing a lot of heavy lifting

Course Availability

Goals of this work

Provide information on when courses will be available

Remove institutional barriers to completion

Reduce course cancellations

Streamline course offerings

Course Type

Courses categorized by multiple categories

- Core vs Selective
- GE vs Non-GE

When combined you get 4 types

- Core + GE, Core + Non-GE, Selective + GE, and Selective + Non-GE

Program Requirements

Major requirements:

Required Core Courses: 12 units		Units
HIST 100	History of Western Civilization I	3 units
HIST 101	History of Western Civilization II	3 units
HIST 201	United States History I	3 units
HIST 202	United States History II	3 units

Required Selective Courses: 6 units (One course from Group A and one course from Group B) Group A: Any diversity course defined as:		Units
CHIN 111	Elementary Chinese I	3 units
CHIN 112	Elementary Chinese II	3 units
CHIN 121	Advanced Elementary Chinese I	3 units
CHIN 122	Advanced Elementary Chinese II	3 units
CHIN 131	Intermediate Chinese I	3 units
CHIN 132	Intermediate Chinese II	3 units
ETHN 101	Latin American and Indigenous Peoples History and Culture	3 units
ETHN 103	Asian Americans and US Institutions	3 units
ETHN 104	Asian Pacific Islanders in United States History and Culture	3 units
ETHN 105	African American History and Culture	3 units

Breakdown of Active Courses

Just under half of all courses are core courses

About 40% of courses fulfill at least one GE area

The most common course type is Selective Non-GE

Course Type	Count	Proportion
Core GE	153	16%
Core Non-GE	267	28%
Selective GE	203	22%
Selective Non-GE	317	34%
Total	940	100%

Analyzing Program of Study Data

Identify all the core courses for any program

Go through all selective requirements to determine which can be met with “core” courses

Establish the minimum course list for all program of study completion

- 444 courses were identified

Examine historical course offering data

Determining Availability from Historical Data

For the 444 courses 3 years of data were examined

Interocular analysis for course patterns

Pattern	Count	Proportion
Fall and Spring	180	41%
Every Fall	58	13%
Every Spring	63	14%
Even Fall	4	1%
Odd Falls	2	0%
Odd Spring	5	1%
Summer Only	2	0%
Check	84	19%
No Information	46	10%

Course	202005	202008	202103	202105	202108	202203	202205	202208	202303	Pattern
PSYC 200	1	2	2	2	2	2	1	4	3	Fall and Spring
ELEL 747		3			3			3		Every Fall
ETHN 104			1			1				1 Every Spring
ESL 848	1	1	2	1	2	2		2		2 Fall and Spring
NURS 225			4			4				4 Every Spring
BUS. 150		1	1		1	1		1		1 Fall and Spring
PHYS 220	1		1	1	1	1	1			1 Check
CHEM 210	5	6	3	3	6	3	3	6		4 Fall and Spring
ARCH 220		1			1			1		Every Fall
CIS 129			1							Check
SOCI 100	4	7	5	2	7	7	2	7		8 Fall and Spring
MGMT 265		1	1			1		1		Check
ACTG 163		1	1		1	1				1 Fall and Spring
MUS. 502		1	1		1	1		1		1 Fall and Spring
ACTG 181		1	1		1			1		1 Fall and Spring
PSYC 300	1	1	1	1	1	1		1		1 Fall and Spring
BLDG 790			1							1 Odd Spring
ENGR 270			1			1				1 Every Spring
FIRE 740		1			1			1		Every Fall
DANC 100		2	3	1	2	2	1	1		2 Fall and Spring
CIS 127		1			1			1		Every Fall
ADMJ 106		1	1		1					1 Check

What's Next

Clarify ambiguous patterns

Pass along first draft to instructional deans

Integrate final availability with program maps